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DRAFT
INITIAL STUDY/ MITIGATED NEGATIVE DECLARATION

1950-1960 East Grand Avenue Project
1950 & 1960 East Grand Avenue
EA 1291

Prepared for Lead Agency:
CITY OF EL SEGUNDO
Development Services Department
350 Main Street
El Segundo, CA 90245
Contact: Paul Samaras, AICP
(310) 524-2340

June 2022

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INITIAL STUDY

1. Project Title:

   1950-1960 East Grand Avenue Project

2. Lead Agency Name/Address:

   City of El Segundo
   350 Main Street
   El Segundo, CA 90245

3. Contact Person and Phone Number:

   Paul Samaras, AICP, Principal Planner
   (310) 524-2340

4. Project Location:

   The Project site is located at 1950 and 1960 East Grand Avenue, in the north-central portion of the City of El Segundo, Los Angeles County, California. The rectangular site, which consists of two parcels, is located on the south side of East Grand Avenue approximately 500 feet east of Pacific Coast Highway (California State Route 1) and approximately 500 feet west of Continental Boulevard, with East El Segundo Boulevard forming the southern boundary of the block approximately 500 feet south of the site. The Project site is located approximately 1.8 miles south of Los Angeles International Airport (LAX) and 2 miles east of the Pacific Ocean. Regional access to the Project site is provided via Pacific Coast Highway; Interstate 405 (San Diego Freeway), approximately 1.3 miles east of the Project site; and Interstate 105 (Glen Anderson Freeway), approximately 0.8 miles to the north. The site is approximately 0.3 miles and 0.4 miles west of the LA Metro C (Green) Line's Nash/Grand station and El Segundo/Nash station, respectively.

   Los Angeles County Assessor's Parcel Numbers (APN): The Project site comprises two contiguous parcels located at 1950 and 1960 East Grand Avenue with APNs 4138-007-065 and 4138-007-066, respectively.

   Lot Size: Two lots, comprising approximately 233,922 square feet (5.37 acres).

   Figures: Figure 1 shows the location of the Project site in the region, and Figure 2 shows the Project site and surrounding areas in its local context.

   Site Description: The Project site is rectangular shaped and consist of two parcels (1950 and 1960 East Grand Avenue). The property is currently improved with a 12-story office building with a height of 162 feet at 1960 East Grand Avenue, and an 11-level parking structure (with 2 subterranean levels and 9 above-grade levels) at a height of 110 feet with 819 parking spaces, at 1950 East Grand Avenue. In addition to the parking structure, the site contains 98 surface parking spaces: 79 spaces in a parking lot on the north side of the 11-level parking structure, 16 spaces across the frontage of both parcels adjacent to East Grand Avenue, and 3 spaces on the east side of the 12-story office building. The remainder of the site is improved with drive aisles, landscaped/amenity space, and a meandering walking path.

Figure 3 depicts the existing conditions on the Project site. Figure 4 shows the proposed new 5-story office building and new 4-level parking structure and site changes along with the existing 12-story office building and 11-level parking structure that would remain. No changes are proposed for the existing building and parking structure, with the exception of minor, non-structural alterations to the existing parking structure to accommodate a pedestrian bridge from the structure to the new building to be located at 1950 E Grand.

5. Project **Applicant's Name and Address:**

Artisan Ventures LLC
3000 Olympic Boulevard, Suite 1255
Santa Monica, CA 90404

6. General Plan Designation:

Corporate Office

7. Zoning:

Corporate Office (CO)

8. Proposed Project Description:

Overview

The proposed Project includes the construction of a new 5-story commercial office building (4-story with mezzanine) and a new 23-space surface parking lot at 1950 East Grand Avenue, and a 4-level, 258-space parking structure at 1960 East Grand Avenue. The new office building would be located at the front of the parcel and would replace the surface parking spaces. The new building would be located in front of the existing 11-level parking structure. The new 23-space parking lot would be located directly east of the existing parking structure, at the rear of the parcel at 1950 East Grand Avenue. The proposed 4-level parking structure would be constructed directly behind the existing 12-story, 233,799-square-foot office building located at 1960 East Grand Avenue and would replace a landscaped area with a few tables and benches. Refer to Figure 3 showing the location of the existing and proposed structures. No modifications are proposed for the existing 12-story office building at 1960 East Grand Avenue and the 11-level parking structure at 1950 East Grand Avenue, with the exception of minor modifications to accommodate a pedestrian bridge connecting the third floor of the new office building to the 11-level parking structure. The three surface parking spaces located on the eastern side of the existing office building parallel to the drive aisle would remain.

A new central plaza area would be developed between the new office and existing office buildings. The plaza would include outdoor seating areas with trellis structures defining the seating areas. Landscape materials would include a variety of drought-tolerant native and climate-adapted species that would provide shade and seasonal color. The Project would also include a Master Sign Program for the proposed site signage, which include exterior building wall signs and two monument signs proposed along the Grand Avenue street frontage (one sign per parcel) that are 16 feet in height. Refer to Figure 4 for the site layout and Appendix A for the Preliminary Project Site Plan package.

Parcel 1 (1950 East Grand Avenue)

The proposed office building would have a contemporary design constructed with a rough sawn board form of concrete and use of architectural glass (Viracon or equivalent quality material) on all façades of the building, and accentuated with small patios and terraces. A roof deck at the rear of the building (third floor) would have a perforated metal trellis structure. The building would have a metal paneled standing seam roof. Building accents include black-painted concrete sections, perforated metal panels, corrugated metal panel roof screens, wood-look aluminum (Knotwood or equivalent quality material), and the use of folding door systems (Nanawall or equivalent quality material). Refer to Figure 5 showing the conceptual perspective views of the proposed building.

The building would have a height of 96 feet, 5 inches, which is within the Corporate Office (CO) zone maximum height limit of 200 feet. The building would be 105,469 gross square feet and have 93,559 net square feet. Refer to Figures 6 and 7 showing the north, south, east, and west exterior elevations. The CO zone allows a maximum floor area ratio (FAR) of 0.8:1, which equates to a maximum of 93,568 square feet of net floor area; therefore, the FAR for Parcel 1 would be 0.8:1, and within the allowable CO zone FAR.

The ground floor uses include a 1,962-square-foot ground floor lobby area, a 2,319-square-foot gym (for tenant use only) with a 775-square-foot outdoor patio area, a 1,324-square-foot café/deli (including kitchen and back of house area), and two tenant spaces. The remainder of the building would be occupied with office uses. The proposed office building would have a 34-foot setback from the frontage along Grand Avenue and 41-foot 10-inch setback from the western property line, which would exceed the required 10-foot setback distance.

The building design includes a private outdoor area for each tenant that is only accessible from the tenant space. The first-floor tenants would have patio areas between 263 and 347 square feet in size, and the other floors would have terraces up to 1,315 square feet in size. Additionally, a 4,081-square-foot rooftop terrace amenity would be accessible to the fifth-floor tenant. The rooftop terrace would be used primarily as a passive open space area with the flexibility to be used for occasional tenant events.

The proposed parking at 1950 East Grand Avenue would include a total of 842 parking spaces. As mentioned, the existing parking structure contains 819 parking spaces and has 9 levels above grade with 2 subterranean levels. The 87 surface parking spaces at 1950 East Grand Avenue would be demolished to construct the new office building. A new 23-space surface parking lot would be added to the 1950 East Grand Avenue parcel directly east of the existing 11-level parking structure; however, this lot is accessible through the proposed parking structure at 1960 East Grand (discussed below). The site would also be developed with new enhanced landscaping areas with a wide pedestrian-oriented terraced entry.

Two new small truck loading spaces would be added on the west side of the new office building toward the rear, screened from view of Grand Avenue, to provide the required loading spaces for the new office building.

Parcel 2 (1960 East Grand Avenue)

The proposed development also includes the construction of a 4-level, 258-space parking structure at 1960 East Grand Avenue, directly behind the existing 12-story, 233,799-square-foot (gross floor area) office building. This proposed structure would have a partially open

design constructed of painted concrete with the use of accent elements such as perforated metal panels and black-painted stairwells. Infilled sections of the facades of the new concrete parking structure would have a similar coloring as the concrete structure. Refer to Figure 8 showing the conceptual perspective views of the proposed parking structure.

The parking structure would have a height of 58.25 feet and the existing 12-story office building is 162 feet in height, which are both within the allowable height limit (maximum height of 200 feet) of the CO zone. There are 11 existing surface parking spaces. The eight parking spaces located along the front of the office building will be demolished. The three parking spaces that will remain are located on the eastern side of the office building. The proposed parking structure would be designed with a required 10-foot setback from the eastern and southern property boundaries.

Parcel 2 is allowed a maximum of 93,568 square feet of net floor area based upon the current maximum FAR allowed in the CO zone. However, the existing 12-story building, which was approved under Environmental Assessment EA-012 on July 12, 1984, was built in 1986-87 with a FAR of 1.99:1, under a different zoning district designation ("Special Commercial (C-3) Zone") which had a maximum FAR of 2.0:1. The City has since reduced the FAR to 0.8:1, and the building is now legally nonconforming as to FAR. Since the proposed new 5-level parking structure does not contribute floor area, as defined in the El Segundo Municipal Code (ESMC §15-1-6, Definitions, and no alterations are proposed for this structure, the Project would not expand the nonconforming status of "Floor Area [Net]") and the property.

Outdoor Gathering Space and Landscaping

As mentioned, the new and existing office buildings would be complemented by a large outdoor landscaped plaza with seating, associated trellis structures, and fireplaces in several locations throughout the plaza. The plaza would have a drought-tolerant Mediterranean plant palette with a diverse variety of species of shrubs, groundcovers, grasses, and trees. Larger specimen trees are proposed to accentuate the central plaza and front setback areas.

Site hardscape materials in the plaza area include enhanced paving with precast pavers and wood decking in the outdoor seating areas. The outdoor seating areas would have perforated metal trellis structures. The plaster walls would be made of cast-in-place concrete. Vehicular circulation areas have been kept at the perimeter of the campus and the fire lane has been integrated in the hardscape/landscape design for an uninterrupted pedestrian flow within the plaza areas.

Additionally, stepped landscape planters and seating have been utilized to accommodate grade differences along the site frontage and within the central plaza. Seventy-four trees of varying species would be provided throughout the property with a variety of sizes in compliance with ESMC requirements. Refer to Figure 9 showing the landscaping and planting plan for the plaza area and overall site landscaping.

Access, Circulation, and Parking

No new curb cuts are proposed along Grand Avenue. There are two existing curb cuts on Grand Avenue that would remain and provide driveway access to the existing 11-level parking structure, the new 4-level parking structure, the new 23-space surface parking lot,

and other on-site surface parking and loading spaces. One driveway is located on the west side of the location for the new 4-story building and the other driveway is located on the east side of the existing 12-story office building.

Both drive aisles/driveways allow two-way access. However, because there is a median along Grand Avenue, the western driveway is limited to right turn in and right turn out movements. The eastern driveway allows both right and left turn out movements as there is a break in the median directly aligned with the eastern driveway.

The driveways and drive aisle also provide access for emergency vehicle purposes as it is an existing fire lane. The existing fire lane currently is broken into two segments. One segment connects the western driveway to the existing parking structure at the rear of the parcel at 1950 East Grand Avenue. The other segment runs south from the eastern driveway, parallel to the eastern side of the existing building at 1960 East Grand Avenue, and wraps around the back of the building, connecting across the property line boundary to the parking structure on the 1950 East Grand Avenue property. The design of the two fire lane segments would be modified so that an additional segment connects the two segments together between the office buildings and the parking structures.

The Project would provide a total of 1,103 parking spaces combined for both parcels. The existing 12-story, 233,799-square-foot office building is required to provide 614 parking spaces, and the proposed 4-story, 93,559-square-foot office building would be required to provide 263 parking spaces, making a total combined requirement of 877 parking spaces. There would be a net total of 226 parking spaces in excess of the zoning code requirements, all of which would be provided at 1950 East Grand Avenue, where the new office building is proposed.

Virtually all of the 614 parking spaces required for the existing office building at 1960 East Grand Avenue (except for the existing 11 on-site parking spaces) have been provided off-site at 1950 East Grand Avenue in the 11-level parking structure since the office building at 1960 East Grand Avenue was built in 1987. The number of off-site parking spaces needed would be reduced as a result of the construction of the proposed new 4-level, 258-space parking structure on the 1960 East Grand Avenue parcel. A parking covenant would be provided for 353 off-site spaces that would still be needed (as 8 of the existing 11 on-site parking spaces would be removed). The Project approval would include a condition to allow reciprocal parking and ingress/egress and require an access easement across both parcels.

Loading Space

The existing 12-story building at 1960 East Grand Avenue has one existing truck loading space and 2 existing small truck loading spaces. The new 5-story building at 1950 East Grand Avenue will include two small truck loading spaces to comply with ESMC requirements for the new 93,559-net-square-foot office building.

A minimum of 56 bicycle spaces total for both sites combined would be provided in compliance with ESMC and California Green Building Standards Code (CalGreen) requirements.

Signs

The Project would include a Master Sign Program for the proposed site signage and exterior building wall signs. As part of the Master Sign Program, two monument signs are proposed along the Grand Avenue street frontage (one sign per parcel) that are 16 feet in height.

Construction and Grading Activities

The existing site is relatively flat with gentle sloping generally in a southeast direction. Modest grade changes would be made to the existing site so that the slope design has proper drainage for the proposed Project, considering the potential effects of high rainfall, private sewage systems, landscaping irrigation, and possible runoff from both on-site and adjacent development, in compliance with the ESMC and all applicable laws.

Construction of the proposed Project is anticipated to occur in one phase over an approximately 17$^1/_2$-month period, beginning approximately 12 months following approval of discretionary actions. The construction stages consist of approximately 4 weeks of site preparation (removal of vegetation, hardscape, and surface parking lot); grading for 7 weeks; building construction for 60 weeks (14 months); and architectural coating for 2 weeks, which overlaps with building construction. In addition to earthwork and installation of site improvements, construction activities would include connections to existing water, sewer, storm drainage, natural gas, an emergency generator to power critical systems in the new building and parking structure in the event of a power shortage, 2,500 kilovolt amps (kva) transformer, and electrical distribution facilities located on-site. The Project would require an estimated 9,720 cubic yards of cut and 1,600 cubic yards of fill, resulting in a net 8,120 cubic yards of export. Consistent with the City's Noise Ordinance, construction would occur Monday through Saturday between the hours of 7:00 a.m. and 6:00 p.m.

9. Surrounding Land Uses and Setting:

The Project site is located on a large block comprising two different commercial zoning districts (Corporate Office [CO] and the 199 North Continental Boulevard Specific Plan), which generally include a mix of office, hotel, and restaurant uses. Specifically, the surrounding area includes the following land uses:

North: The north side of Grand Avenue, bounded by Pacific Coast Highway to the west and Continental Boulevard to the east, contains office, hotel, and restaurant uses. Three multistory, multitenant buildings with office uses are located directly across Grand Avenue to the north with two additional smaller buildings with restaurant uses to the west of those buildings along the east side of Pacific Coast Highway. The Mattel Design Center is located directly across Grand Avenue, immediately east of the multitenant office buildings. The Doubletree by Hilton LAX-El Segundo Hotel and the Mattel corporate headquarters are east of the Mattel Design Center and northeast of the subject site. These land uses north of the Project site are all zoned CO in the City's zoning code.

East: One three-story office building is located directly to the east and adjacent to the subject property that has street frontage on both Grand Avenue and Continental Boulevard. This office building is located in the CO zone.

South: Additional multistory office buildings are located on the same block to the east and southeast. The property immediately south of the existing 12-story office

building at 1960 East Grand Avenue is the site of the Cambria Hotel and a 2-story parking structure to the east of the hotel, both with access from Continental Boulevard. A large surface parking lot serves the multistory, multitenant office building at the northwest corner of El Segundo Boulevard and Continental Boulevard. The Cambria Hotel is located within the 199 North Continental Boulevard Specific Plan. All other properties on the same block are located in the CO zone. Further south on the next block (south side of El Segundo Boulevard) is the Raytheon corporate campus.

West: The Pacific Corporate Towers office development is located directly to the west of the Project site. This development is composed of three office buildings and two parking structures and encompasses the entire eastern side of Pacific Coast Highway on the block bounded by Grand Avenue to the north and East El Segundo Boulevard to the south. The Pacific Corporate Towers office development is located in the CO zone.

10. Required Approvals:

The City of El Segundo is the lead agency for the Project and has sole discretionary land use authority over the Project proposal. To implement this Project, the following approvals are required:

- Environmental Assessment (EA 1291) for the new, approximately 93,559-net-square-foot, 5-story (4-story with a mezzanine level), new 4-level parking structure, and new 23-space surface parking lot.
- Site Plan Review (SPR 20-03) for a new commercial development that includes structures which have a combined gross floor area of more than 50,000 square feet (pursuant to ESMC Section 15-30-2).
- Off-site parking covenant and agreement (MISC 20-01) for 353 parking spaces for the existing 12-story office building at 1960 East Grand Avenue to be provided in the existing 11-level, 819-space parking structure at 1950 East Grand Avenue (reduction from existing 603 off-site parking spaces).
- Reciprocal access agreement for drive aisles and fire lane.
- Administrative Use Permit (AUP 20-03) to approve the Master Sign Program, which includes two 16-foot-tall monument signs.

11. Other Public Agencies Whose Approval Is Required (e.g., permits, financing approval, or particular agreement):

This Initial Study is intended to address all approvals necessary to construct and operate the proposed Project. No discretionary public agency approvals are known to be required for the Project, other than those required by the City of El Segundo.

12. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, has consultation begun?

One tribe has requested to be notified of projects in the City of El Segundo, the Gabrieleño Band of Mission Indians – Kizh Nation. Initial consultation began on May 18, 2021. Please

refer to the response to Checklist Item 18 for information regarding the consultation process with the Gabrieleño Band of Mission Indians – Kizh Nation.

13. References

The documents listed below are incorporated into this document by reference and are available for review in the Development Services Department of the City of El Segundo, which is located in City Hall at 350 Main Street, El Segundo, CA 90245, or as available as shown below.

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California Building Standards Code, Available at https://www.dgs.ca.gov/BSC/Codes

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ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Land Use and Planning	☐ Mineral Resources	☐ Aesthetics
☐ Population and Housing	☐ Hazards and Hazardous Materials	☐ Cultural Resources
☐ Geology and Soils	☐ Noise	☐ Recreation
☐ Hydrology and Water Quality	☐ Public Services	☐ Greenhouse Gas Emissions
☐ Air Quality	☐ Utilities and Service Systems	☐ Tribal Cultural Resources
☐ Transportation/Traffic	☐ Agriculture and Forest Resources	☐ Mandatory Findings of Significance
☐ Biological Resources		

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 17, Earlier Analysis, may be cross-referenced).

5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration, Section 15063(c)(3)(D). Earlier analyses are discussed in Section 19, at the end of the checklist, if utilized.

DETERMINATION:

On the basis of this initial evaluation:

☐ I find that the project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that, although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a significant effect(s) on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An ENVIRONMENTAL IMPACT REPORT is required but must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because all potentially significant effect (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed on the proposed project.

Signature: _____ Date: _____

Printed Name: Paul Samaras, AICP For: City of El Segundo

Title: Principal Planner

1. AESTHETICS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c. In non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Pursuant to Senate Bill (SB) 743 (Public Resources Code [PRC] Section 21099(d)), "aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment." PRC Section 21099 defines an "employment center project" as "a project located on property zoned for commercial uses with a floor area ratio of no less than 0.75 and that is located within a transit priority area." PRC Section 21099 defines a "transit priority area" as an area within 0.5 miles of a major transit stop that is "existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program or applicable regional transportation plan." PRC Section 21064.3 defines "major transit stop" as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. PRC Section 21099 defines an infill site as a lot located within an "urban area that has been previously developed, or on a vacant site where at least 75 percent of the perimeter of the site adjoins or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses." The proposed Project is an employment center project (located in the CO zone with an FAR of 0.8:1 on Parcel 1 and 1.99:1 on Parcel 2), located on an infill site (previously developed), and within a transit priority area (within 0.5 miles of two major transit stops, 0.3 miles and 0.4 miles west of the LA Metro C (Green) Line's Nash/Grand station and El Segundo/Nash station, respectively). As such, the Project's aesthetic impacts shall not be considered a significant impact on the environment and the following aesthetics analysis is provided for informational purposes only.

Explanation of Checklist Responses

1.a) A scenic vista is generally considered a publicly accessible, prominent vantage point that provides expansive views of highly valued landscapes or prominent visual

elements. As described in the General Plan,[1] the City is located within the urbanized Los Angeles area and is considered part of the Los Angeles International Airport (LAX)/South Bay subregion at the southwestern edge of the Los Angeles coastal basin (Figure 1). The Project vicinity includes LAX and I-105 approximately 0.8 miles to the north, the Hyperion Sewage Treatment Plant 1.8 miles directly west along the Pacific Ocean coast, the Chevron Refinery 0.3 miles to the southwest, and the 405 freeway 1.3 miles to the east (Figure 2). The Project site is located in a predominantly urbanized area of the City, with a mix of office, hotel, and restaurant uses. The El Segundo General Plan Exhibit C-10 (Master Plan of Streets) identifies Grand Avenue as a secondary arterial and El Segundo Boulevard, the street south of the Project site, as a major arterial in an area of the City which consists of and is surrounded by urban and developed land (Figure 3). There are no scenic vistas as defined above or identified by the General Plan in the Project area. Further, there are no unique cultural or topographic features that offer a distinctive and enhanced visual setting which is recognized for its scenic vista qualities. Therefore, the Project would have no impact on a scenic vista or view.

1.b) The Project site is not located within a designated state scenic highway.[2] Further, the Project site is not visible from the designated scenic highways nearest to the site, which consist of a portion of Route 91 in Orange County and a portion of Route 27 in Topanga Canyon of Los Angeles County.[3] The Project site is located approximately 500 feet east of the Pacific Coast Highway, which includes portions identified as eligible State Scenic Highway segments; however, the Project site is not located near the eligible portions, the nearest being in Santa Monica, near Route 187 (Venice Boulevard), approximately 11 miles north.[4] As a result, the site is not be visible from the designated or eligible scenic highways. Further, there are no unique cultural, biological, or geographic features on-site that would be considered a scenic resource. Therefore, Project would have no impact to scenic resources within a state scenic highway.

1.c) As mentioned previously, the Project site is located within an urban area with a variety of urban land uses such as commercial hotel, restaurant, and office land uses. The proposed office use would be consistent with the property's Corporate Office (CO) zoning classification, and the Project would comply with the CO zoning design standards under ESMC Article D, Corporate Office (CO) zone, pertaining to building height and bulk, landscaping, yards, signs and outdoor lighting. No other regulations governing scenic quality are applicable to the Project. In summary, the Project would result in no impact involving conflicts with zoning standards.

A project is generally considered to have a significant visual/aesthetic impact if it substantially changes the character of an area such that it becomes visually incompatible or degrades the existing context and quality of the site and its surroundings. The Project site has been developed with the existing office building and parking structure constructed since the 1980s, and an associated parking lot. Landscaping, including a tree, is present along the Project site's Grand Avenue

1 City of El Segundo. 1992. *General Plan.*
2 Caltrans (California Department of Transportation). *California State Scenic Highway System Map.* Accessed online at https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa on February 7. 2022.
3 Caltrans (California Department of Transportation). *California State Scenic Highway System Map.* Accessed online at https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa on February 7. 2022.
4 Caltrans (California Department of Transportation). *California State Scenic Highway System Map.* Accessed online at https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa on February 7. 2022.

frontage. The Project area's visual character is defined by low- and mid-rise commercial and office developments. West of the Project site, encompassing the eastern side of Pacific Coast Highway, is an office development with three office buildings and two parking structures. Developments north of the site, across Grand Avenue and bounded by Pacific Coast Highway to the west and Continental Boulevard to the east, are office, hotel, and restaurant uses, including the Mattel Design Center and a DoubleTree by Hilton. To the east of the site is a three-story office building that has frontage on both Grand Avenue and Continental Boulevard. Developments south of the Project site include multistory office buildings, a surface parking lot, and the Cambria Hotel. Figure 3 and Figure 4 show the existing developments at the Project site and the immediate surroundings. The developments in the area consist of a variety of commercial (hotel and restaurant) and office uses that do not exhibit a distinct visual character and there is no uniformity of architectural styles or coherent visual theme.

The Project proposes to demolish the surface parking on the Project site, except for three spaces, construct a new 23-space surface parking lot, and construct a new office building and parking structure along with implementing a cohesive landscaped central plaza. The buildings would be constructed in a contemporary design, as shown in the architectural renderings on Figures 6 and 7. The office building will be constructed with a rough sawn board form of concrete and architectural glass, accentuated with small patios and terraces. The proposed parking structure would have a partially open design constructed of painted concrete with the use of accent elements such as perforated metal panels and black-painted stairwells. The unifying central plaza area would include enhanced paving, seating, trellis structures, fire features, and larger specimen trees.

As described and depicted in the architectural renderings, the Project would develop the existing site with a uniform and coherent architectural design. In summary, the Project would result in no impact on the visual character and visual quality in the Project area.

1.d) Light. The two primary sources of light are those emanating from building interiors that pass-through windows, and light from exterior sources, such as street lighting, parking lot lighting, building illumination, security lighting, and landscape lighting. Depending on the location of the light source and its proximity to adjacent light-sensitive uses, light introduction may become a nuisance, affecting adjacent areas and diminishing the view of the clear night sky. Light spillage is typically defined as unwanted illumination from light fixtures on adjacent properties.

The Project involves the use of interior office lighting that is typical of office use. The lighting may be visible from surrounding areas during the nighttime; however, similar to the existing office lighting, the internal lighting would not be directly outward from the buildings and would not be considered new sources of substantial light.

The Project proposes use of exterior security and safety lighting at entry areas, exit doors, select perimeters areas (i.e., at the north side of the buildings for safety visibility from Grand Avenue), at the roof terrace, and at the parking structure, which will be shielded, low lumen downlighting, and will conform to the minimum required lighting for safety and security in accordance with the 2019 California Building Code (CBC) Title 24, Lighting Guide, which has been adopted by the City . The Project exterior lighting has been designed in accordance with the Project photometric study and lighting datasheets, provided in Appendix B, which indicates no light spillage from the entire

Project property (office building and parking structures). As a result, no light from the Project is expected to spill onto adjacent properties or be a substantial source of light from off-site locations.

Glare. Glare and glint refer to the unwanted reflection of the sun's rays or other forms of light by the face of a reflective surface. Glare is primarily a daytime occurrence caused by the reflection of sunlight or artificial light by highly polished surfaces such as window glass or reflective materials and, to a lesser degree, from broad expanses of light-colored surfaces. Glare can also be produced during evening and nighttime hours by the reflection of artificial light sources such as automobile headlights. Glare generation is typically related to either moving vehicles or sun angles. However, the proposed layout of the Project site and existing buildings prevents glare from causing significant impacts. The parking structures would be positioned to the south of both the existing and proposed office building, preventing glare from impacting adjacent lots to the south. An existing parking structure is present to the west of the Project site, which limits impacts. This parking structure would prevent an observer passing at speed, such as a motorist on East Grand Avenue, from being impacted by a direct reflection of light. Further, as identified in the Landscape Plan (Appendix A), the Project would provide trees along the site's frontage to East Grand Avenue. These trees would prevent glare from impacting motorists, pedestrians, and others to the north of the Project site. Finally, the existing structure to the east of the Project site would prevent the Project from producing glare on the eastern edge of the site. Due to the Project's positioning amongst structures which would shield the site from producing glare and the site design incorporating trees along the East Grand Avenue frontage, the Project would result in a less than significant impact related to light and glare.

2. AGRICULTURE AND FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding **the state's inventory of forest land, including the Forest** and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Explanation of Checklist Responses

2.a) The Farmland Mapping and Monitoring Program (FMMP) produces maps and statistical data that are used for analyzing impacts on California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status. The maps are updated every two years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance. The FMMP produces Important Farmland Maps, which are a hybrid of resource quality (soils) and land use information. The Project site is identified as Urban and Built-Up Land,[5] which is defined as land occupied by structures with a building density of at least 1 unit to 1.5 acres, and is used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, and other developed purposes.[6]

The Project site is currently developed with an office building and parking structure, and it is located in a fully developed and urbanized area of El Segundo. Further, the site is

5 California Department of Conservation. 2020. *California Important Farmland Finder*.
6 California Department of Conservation. 2020. *California Important Farmland Categories*.

not adjacent to or near any land used for agricultural purposes. The Project site is not designated in the FMMP as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, and would not involve conversion of Farmland. As such, the Project would result in no impact.

2.b) The Project site and the surrounding area is not zoned for agriculture. Instead, the site is zoned Corporate Office (CO) and surrounding areas area zoned either CO, General Commercial, or Urban Mixed Use, or 199 North Continental Boulevard Specific Plan. None of these zones permit agricultural use and there is no farmland on-site or in the vicinity.[7] The proposed Project would have no impact involving a conflict with zoning for agricultural use. The Project site is not part of a Williamson Act contract or any other sort of deed or land use restrictions intended to preserve or foster agricultural uses; therefore, there would be no impact involving a conflict with such zoning or land restrictions.

2.c) As noted above, the subject property is zoned CO, which is intended to provide for the development of office projects, as stated in ESMC Section 15-5D-1, and has no applicability to forestland or timberland. All surrounding land is fully developed with commercial, office, hotel, and restaurant uses. There is no forest or timberland on or near the Project site. Therefore, there would be no impact involving a conflict with zoning for forest or timberland.

2.d) The Project site has been previously developed with office uses and does not contain any forest land, which under PRC Section 12220, is defined as land that can support 10 percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity. In addition to the existing office and parking structure developments on the Project property, the site also contains an existing landscaped/amenity area at the location of the proposed parking structure. This area has been developed with a walking path, seating areas, pond, and landscaped lawn with ornamental trees, including palm trees, such the previous natural conditions are no longer present. The Project site has been fully developed and is surrounded by areas similarly developed with commercial, office, hotel, and restaurant uses. There is no forest land or timberland on or near the Project site and the Project does not involve conversion of such land. Therefore, the Project would not cause the conversion of forest land to non-forest use, and would result in no impact.

2.e) The Project site is currently developed with an office building, surface parking, and a parking structure. There are no agricultural or forest uses in the vicinity. Therefore, the Project would not involve changes in the existing environment that could result in conversion of Farmland to nonagricultural use or the conversion of forestland to non-forest use. As such, there would be no impact.

7 El Segundo Municipal Code, Title 15, Chapter 5, Article C and Article D.

3. AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated March 20, 2022. This report is included as Appendix C of this IS/MND.

Background

The Project site is within the South Coast Air Basin (SCAB), which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). As the local air quality management agency, the SCAQMD is required to monitor air pollutant levels to ensure that state and federal air quality standards are met and, if they are not met, to develop strategies to meet the standards. The health effects associated with criteria pollutants upon which attainment of state and federal quality standards is measured are described in Table 3-1. Depending on whether the standards are met or exceeded, SCAB is classified as being in attainment or nonattainment, as summarized in Table 3-2.

SCAB is designated as nonattainment for the federal and state 1-hour and 8-hour ozone standards, the state PM_{10} standards, and the federal and state $PM_{2.5}$ standards (see Table 3-1). The Los Angeles County portion of SCAB is also designated as nonattainment for federal lead standards. Thus, SCAB currently exceeds state and federal ambient air quality standards for these pollutants. The SCAQMD is required to implement strategies to reduce pollutant levels to acceptable standards. This nonattainment status is a result of several factors, primarily the naturally adverse meteorological conditions that limit the dispersion and diffusion of pollutants, the limited capacity of the local airshed to eliminate air pollutants, and the number, type, and density of emission sources within SCAB. The SCAQMD has adopted an Air Quality Management Plan (AQMP) that includes a strategy for the attainment of state and federal air quality standards.[8]

8 South Coast Air Quality Management District. 2016. *2016 Air Quality Management Plan*.

Table 3-1. State and Federal Criteria Pollutant Standards

Air Pollutant	Concentration/Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O_3)	0.09 ppm/1-hour 0.07 ppm/8-hour	0.070 ppm/8-hour	(a) Pulmonary function decrements and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm/1-hour 9.0 ppm/8-hour	35.0 ppm/1-hour 9.0 ppm/8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO_2)	0.18 ppm/1-hour 0.030 ppm/annual	100 ppb/1-hour 0.053 ppm/annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO_2)	0.25 ppm/1-hour 0.04 ppm/24-hour	75 ppb/1-hour 0.14 ppm/annual	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM_{10})	50 µg/m³/24-hour 20 µg/m³/annual	150 µg/m³/24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; and (c) Increased risk of premature death from heart or lung diseases in elderly.
Suspended Particulate Matter ($PM_{2.5}$)	12 µg/m³/annual	35 µg/m³/24-hour 12 µg/m³/annual	
Sulfates	25 µg/m³/24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; and (f) Property damage.
Lead	1.5 µg/m³/30-day	0.15 µg/m³ /3-month rolling	(a) Learning disabilities; and (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer - visibility of ten miles or more due to particles when relative humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

Source: California Air Resources Board. 2016. *Ambient Air Quality Standards.*

Table 3-2. South Coast Air Basin Attainment Status

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
1-Hour Ozone	NAAQS	1979 1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 (revised deadline)
	CAAQS	1-Hour (0.09 ppm)	Nonattainment	N/A
8-Hour Ozone	NAAQS	1997 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	NAAQS	2008 8-Hour (0.075 ppm)	Nonattainment (Extreme)	7/20/2032
	NAAQS	2015 8-Hour (0.070 ppm)	Nonattainment (Extreme)	8/3/2038
	CAAQS	8-Hour (0.070 ppm)	Nonattainment	Beyond 2032
CO	NAAQS	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (attained)
	CAAQS	1-Hour (20 ppm) 8-Hour (9 ppm)	Attainment	6/11/2007 (attained)
NO_2	NAAQS	2010 1-Hour (0.10 ppm)	Unclassifiable/ Attainment	N/A (attained)
	NAAQS	1971 Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (attained)
	CAAQS	1-Hour (0.18 ppm) Annual (0.030 ppm)	Attainment	---
SO_2	NAAQS	1-Hour (75 ppb)	Designations Pending (expect Unclassifiable/ Attainment)	N/A (attained)
	NAAQS	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (attained)
PM10	NAAQS	1987 24-hour (150 µg/m³)	Attainment (Maintenance)	7/26/2013 (attained)
	CAAQS	24-hour (50 µg/m³) Annual (20 µg/m³)	Nonattainment	N/A
PM2.5	NAAQS	2006 24-Hour (35 µg/m³)	Nonattainment (Serious)	12/31/2019
	NAAQS	1997 Annual (15.0 µg/m³)	Attainment	8/24/2016
	NAAQS	2012 Annual (12.0 µg/m³)	Nonattainment (Serious)	12/31/2025
	CAAQS	Annual (12.0 µg/m³)	Nonattainment	N/A
Lead	NAAQS	3-Months Rolling (0.15 µg/m³)	Nonattainment (Partial)	12/31/2015
Hydrogen Sulfide (H_2S)	CAAQS	1-Hour (0.03 ppm or 42 µg/m³)	Attainment	---
Sulfates	CAAQS	24-Hour (25 µg/m³)	Attainment	---
Vinyl Chloride	CAAQS	24-Hour (0.01 ppm or 26 µg/m³)	Attainment	---

Source: South Coast Air Quality Management District. 2016. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) Attainment Status for South Coast Air Basin.

Explanation of Checklist Responses

3.a) As part of its enforcement responsibilities, the United States Environmental Protection Agency (USEPA) requires each state with nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under state law, the California Clean Air Act requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the federal and state ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously mentioned, the Project site is located within SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the federal Clean Air Act, to reduce emissions of criteria pollutants for which SCAB is in nonattainment. In order to reduce such emissions, the SCAQMD prepared the 2016 AQMP, which establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional, multiagency effort including SCAQMD, the California Air Resources Board (CARB), the Southern California Association of Governments (SCAG), and the USEPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emissions inventory methodologies for various source categories, and SCAG's latest growth forecasts. (SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans.) The Project is subject to the SCAQMD's AQMP.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- Consistency Criterion No. 1: Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

- Consistency Criterion No. 2: Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

Criterion 1 - Increase in the Frequency or Severity of Violations?

Based on the air quality modeling analysis contained in Appendix B and summarized herein in Tables 3-3 and 3-4, short-term construction air emissions would not result in significant impacts based on SCAQMD regional thresholds of significance or local thresholds of significance. As summarized in Table 3-5 herein, the ongoing operation of the Project would generate air pollutant emissions that are inconsequential on a regional basis and would not result in significant impacts based on SCAQMD thresholds of significance. As shown in Table 3-5, the analysis for long-term local air quality impacts showed that local pollutant concentrations would not be projected to exceed the air quality standards. Therefore, a less than significant long-term impact would occur and no mitigation would be required.

Therefore, based on the information provided above, the proposed Project would be consistent with the first criterion.

Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the Project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the Project are based on the same forecasts for regional growth as the AQMP. The AQMP is developed through use of the planning forecasts provided in the RTP/SCS (Connect SoCal) and the SCAG Federal Transportation

Improvement Program. The RTP/SCS is a major planning document for the regional transportation and land use network within Southern California. The RTP/SCS is a long-range plan that is required by federal and state requirements placed on SCAG and is updated every four years. The FTIP provides long-range planning for future transportation improvement projects that are constructed with state and/or federal funds within Southern California. Local governments are required to use these plans as the basis of their plans for the purpose of consistency with applicable regional plans under CEQA. For this Project, the City of El Segundo General Plan's Land Use Plan defines the assumptions that are represented in AQMP.

The Project site is currently designated as Corporate Office in the General Plan and is zoned Corporate Office (CO). The CO Zone permits a maximum floor area ratio (FAR) of 0.8:1. Parcel 1 is allowed a maximum of 93,568 square feet of net floor area. The FAR for Parcel 1 will be 0.8:1. As such, the Project is consistent with the existing land use designation and zoning. Therefore, the proposed Project is not anticipated to exceed the AQMP assumptions for the Project site and is found to be consistent with the AQMP for the second criterion. The proposed 5-level parking structure on Parcel 2 would not contribute floor area, as defined in the El Segundo Municipal Code (ESMC §15-1-6, Definitions).

Based on the above, the proposed Project will not result in an inconsistency with the SCAQMD AQMP. Therefore, the Project would result in a less than significant impact to implementation of the AQMP.

3.b) The following section provides the calculated potential air emissions associated with the construction and operations of the Project and compares the emissions to the SCAQMD CEQA thresholds of significance.

Construction Emissions

The Project construction activities are anticipated to include site preparation, grading, building construction, application of architectural coatings, and paving and site improvements. The construction emissions have been analyzed for both regional and local air quality impacts.

Construction-Related Regional Impacts

The CalEEMod model has been used to calculate the Project construction-related regional emissions. The worst-case summer or winter daily Project construction-related criteria pollutant emissions for each phase of construction activities are shown below in Table 3-3. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently towards the end of the building construction phase, Table 3-3 shows the combined regional criteria pollutant emissions from these three construction stages (year 2024).

Table 3-3 shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition/rough grading, grading/foundation, building construction, or the combined building construction, architectural coatings, and paving/site improvement phases. Therefore, the Project construction would result in a less than significant impact to regional air quality and no mitigation would be required.

Table 3-3. Construction-Related Regional Criteria Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Combined Site Preparation and Grading (Year 2022)[1]						
Onsite	2.94	35.49	23.11	0.08	2.77	1.74
Offsite	1.57	43.08	12.29	0.14	4.08	1.24
Total	4.51	78.57	35.40	0.22	6.85	2.97
Building Construction (Year 2023)						
Onsite	1.57	14.38	16.24	0.03	0.70	0.66
Offsite	0.43	2.16	4.72	0.02	1.56	0.43
Total	2.01	16.55	20.97	0.05	2.26	1.09
Combined Building Construction (Year 2024), Paving/Site Improvements, and Architectural Coatings						
Onsite	66.99	23.45	30.17	0.05	1.11	1.04
Offsite	0.55	2.23	5.89	0.02	1.85	0.56
Total	67.53	25.69	36.06	0.07	2.96	1.60
Maximum Daily Construction Emissions	67.53	78.57	36.06	0.22	6.85	2.97
SCQAMD Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
1 Demolition and Grading based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
2 Onsite emissions from equipment not operated on public roads.
3 Offsite emissions from vehicles operating on public roads.
Source: CalEEMod Version 2020.4.0.

Construction-Related Local Impacts

The local air quality emissions from construction were analyzed through utilizing the methodology described in *Localized Significance Threshold Methodology* (LST Methodology), prepared by SCAQMD, revised October 2009. The LST Methodology found that the primary criteria pollutant emissions of concern are nitric oxide (NO_x), carbon monoxide (CO), and particulate matter (PM_{10} and $PM_{2.5}$). In order to determine if any of these pollutants require a detailed analysis of the local air quality impacts, each phase of construction was screened using the SCAQMD's Mass Rate LST Look-up Tables. The Look-up Tables were developed by the SCAQMD to readily determine if the daily on-site emissions of CO, NO_x, PM_{10}, and $PM_{2.5}$ from a proposed project could result in a significant impact to the local air quality.

Table 3-4 shows the on-site emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds that have been detailed. Since it is possible that building construction, architectural coating, and paving/site improvement activities may occur concurrently, Table 3-4 shows the combined local criteria pollutant emissions from these three phases.

As shown in Table 3-4, the Project would not exceed any criteria pollutant local emissions thresholds during either site preparation/rough grading, grading/foundation, building construction, or the combined building construction, architectural coatings, and paving/site improvement phases. Therefore, construction of the Project would result in a less than significant impact to local air quality and no mitigation would be required.

Table 3-4. Construction-Related Local Criteria Pollutant Emissions

Phase	Pollutant Emissions[1] (pounds/day)			
	NOx	CO	PM_{10}	$PM_{2.5}$
Combined Site Preparation and Grading (Year 2022)[2]	40.87	24.65	3.28	1.89
Building Construction (Year 2023)	14.65	16.83	0.89	0.71
Combined Building Construction (Year 2024), Paving/Site Improvements, and Architectural Coatings	24.67	31.02	1.42	1.19
Maximum Daily Construction Emissions	40.87	31.02	3.28	1.89
SCAQMD Local Construction Thresholds[3]	175	1,520	13	7
Exceeds Threshold?	No	No	No	No

Notes:
1 The Pollutant Emissions include 100% of the On-Site emissions (off-road equipment and fugitive dust) and 1/8 of the Off-Site emissions (on road trucks and worker vehicles), in order to account for the on-road emissions that occur within a 1/4 mile of the project site.
2 Demolition and Grading phases based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
3 The nearest offsite sensitive receptors are guests at the hotel located as near as 10 feet (3 meters) south of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.
Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres in Air Monitoring Area 3, Southwest Coastal LA County.

Operational Emissions

The ongoing operation of the Project would result in a long-term increase in air quality emissions. This increase would be due to emissions from on-site area sources, energy usage, and Project-generated vehicle trip emissions. The following section analyzes the potential long-term air quality impacts due to regional air quality and local air quality impacts with the ongoing operations of the Project.

Operations-Related Regional Criteria Pollutant Analysis

The operations-related regional criteria air quality impacts created by the Project have been analyzed through use of the CalEEMod model. The Project's worst-case summer or winter volatile organic compound (VOC), NO_x, CO, sulfur dioxide (SO_2), PM_{10}, and $PM_{2.5}$ daily emissions during long-term operations have been calculated and are summarized below in Table 3-5.

Table 3-5. Operational Regional Criteria Pollutant Emissions

Emissions Source	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM_{10}	$PM_{2.5}$
Area Sources[1]	2.45	0.03	0.14	<0.00	<0.00	<0.00
Energy Usage[2]	0.03	0.30	0.25	<0.00	0.02	0.02
Mobile Sources[3]	2.65	2.65	24.31	0.05	5.39	1.46
Backup Generator[4]	0.32	0.89	0.81	<0.00	0.05	0.05
Total Emissions	5.45	3.87	25.51	0.05	5.47	1.53
SCQAMD Operational Thresholds	55	55	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
1 Area sources consist of emissions from consumer products, architectural coatings, fire pits, and landscaping equipment.
2 Energy usage consist of emissions from natural gas usage.
3 Mobile sources consist of emissions from vehicles and road dust.
4 The size of the proposed backup generator has not yet been determined. This analysis is based on a 389 Horsepower diesel generator that has a cycling schedule of 30 minutes per week
Source: Calculated from CalEEMod Version 2020.4.0.

As shown in Table 3-5, the long-term operation of the Project would not exceed the criteria pollutant regional emissions thresholds. Therefore, operation of the Project would result a less than significant regional air quality impact and no mitigation would be required.

3.c) Some land uses are considered more sensitive to air pollution than others because of the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases. Residential areas are considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Children are considered more susceptible to the health effects of air pollution due to their immature immune systems and developing organs. As such, schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation.

The proposed Project would not expose sensitive receptors to substantial pollutant concentrations. The local concentrations of criteria pollutant emissions produced in the nearby vicinity of the Project, which may expose sensitive receptors to substantial concentrations have been calculated for both construction and operations, which are discussed separately below. The discussion below also includes an analysis of the potential impacts from toxic air contaminant (TAC) emissions. The nearest sensitive receptors to the Project site are apartment and multifamily residential uses at the intersection of East Holly Avenue and Indiana Street, approximately 1,150 feet northwest of the Project site.

Construction-Related Sensitive Receptor Impacts

The Project construction activities are anticipated to include site preparation, grading, building construction, application of architectural coatings, and paving and site improvements. Construction activities may expose sensitive receptors to substantial pollutant concentrations of localized criteria pollutant concentrations and from TAC emissions created from on-site construction equipment, which are described below.

Local Criteria Pollutant Impacts from Construction

The local air quality impacts from the Project construction have been analyzed, with the results provided in Table 3-4, which provides the on-site emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds. Since it is possible that building construction, architectural coating, and paving/site improvement activities may occur concurrently, the results combine local criteria pollutant emissions from building construction, paving and architectural coating phases of construction. As shown, the Project construction emissions would not exceed the local NO_x, CO, PM_{10} and $PM_{2.5}$ thresholds of significance. Therefore, construction of the proposed project would create a less than significant construction-related impact to local air quality and no mitigation would be required.

Toxic Air Contaminants Impacts from Construction

The greatest potential for TAC emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during Project construction. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "individual cancer risk." "Individual cancer risk" is the likelihood that a person exposed to concentrations of TACs over a 70-year

lifetime will contract cancer, based on the use of standard risk-assessment methodology. It should be noted that the most current cancer risk assessment methodology recommends analyzing a 30-year exposure period for the nearby sensitive receptors.[9]

The Project construction activities involve the operation of diesel-powered haul trucks and off-road equipment that would operate between 270 feet and 1,000 feet from the nearest homes. Construction activities would generate up to 83 haul truck trips per day during the grading phase of construction. According to CAPCOA's 2009 *Health Risk Assessments for Proposed Land Use Projects*, CAPCOA recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units. Since construction activities would generate less than the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, the Project would result in a less than significant TAC impact from construction-related haul trucks.

There would be up to nine pieces of diesel-powered off-road equipment operating simultaneously on the Project site during the site preparation and grading phase. All diesel-powered powered equipment would be required to adhere to California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 that regulates emissions from off-road diesel equipment in California. This regulation limits idling of equipment to no more than five minutes, requires equipment operators to label each piece of equipment and provide annual reports to CARB of their fleet's usage and emissions. This regulation also requires systematic upgrading of the emission Tier level of each fleet, and currently no commercial operator is allowed to purchase Tier 0 or Tier 1 equipment and by January 2023 no commercial operator is allowed to purchase Tier 2 equipment. In addition to the purchase restrictions, equipment operators need to meet fleet average emissions targets that become more stringent each year between years 2014 and 2023. As of January 2019, 25 percent or more of all contractors' equipment fleets must be Tier 2 or higher.

Given the relatively limited number of heavy-duty construction equipment and haul trucks used during the site preparation and grading phase, the varying distances that construction equipment would operate to the nearby sensitive receptors, and the short-term construction schedule, the proposed Project would not result in a long-term (i.e., 30 or 70 years) substantial source of TAC emissions and corresponding individual cancer risk Therefore, no significant short-term TAC impacts would occur during construction of the proposed project. As such, construction of the proposed Project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations and no mitigation would be required.

Operations-Related Sensitive Receptor Impacts

The following sections analyze the effects of ongoing operations of the Project, and the potential to expose sensitive receptors to substantial pollutant concentrations from the potential local air quality impacts from on-site operations and from possible TAC impacts.

9 California Office of Environmental Health Hazard Assessment. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments.*

Local Criteria Pollutant Impacts from On-site Operations

The local air quality impacts from the Project operation would occur from on-site sources such as architectural coatings, landscaping equipment, and natural gas appliances, as well as from vehicle emissions from the Project site and the immediate vicinity. The local NOx, CO, PM_{10} and $PM_{2.5}$ emissions resulting from the Project operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the methodology described in LST Methodology, and the results are summarized in Table 3-5. As shown, operation of the Project would not exceed the LST thresholds of significance. Therefore, the ongoing operations of the proposed Project would create a less than significant operations-related impact to local air quality due to on-site emissions and no mitigation would be required.

Operations-Related Toxic Air Contaminant Impacts

DPM is the predominant TAC in most areas and according to *The California Almanac of Emissions and Air Quality 2013 Edition*, prepared by CARB, about 80 percent of the outdoor TAC cancer risk is from diesel exhaust. The proposed Project would not generate other sources of TACs that could affect neighboring land uses. Some chemicals in diesel exhaust, such as benzene and formaldehyde, have been listed as carcinogens by State Proposition 65 and the Federal Hazardous Air Pollutants program. The *Health Risk Assessments for Proposed Land Use Project*, prepared by California Air Pollution Control Officers Association (CAPCOA), July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units.

According to the ITE Trip Generation 10th Edition Supplement, Version 2/20/2020, for the ITE Land Use 710 – General Office Building, daily truck trips represent 1 percent of the overall trip generation for the proposed Project. Since the Transportation Impact Analysis (Appendix I) found that the proposed Project would generate 976 gross daily trips, this would result in approximately 10 daily truck trips per day or 5 truck deliveries per day to the Project site. Since the proposed Project would generate well below the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur during the ongoing operations of the proposed Project and no mitigation would be required.

Therefore, operation of the proposed Project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations and no mitigation measures are required.

3.d) The Project would not create objectionable odors affecting a substantial number of people. Individual responses to odors are highly variable and can result in a variety of effects. Generally, the impact of an odor results from various factors such as frequency, duration, offensiveness, location, and sensory perception. The frequency is a measure of how often an individual is exposed to an odor in the ambient environment. The intensity refers to an individual's or group's perception of the odor strength or concentration. The duration of an odor refers to the elapsed time over which an odor is experienced. The offensiveness of the odor is the subjective rating of the pleasantness or unpleasantness of an odor. The location accounts for the type of area in which a

potentially affected person lives, works, or visits; the type of activity in which he or she is engaged; and the sensitivity of the impacted receptor.

Construction-Related Odor Impacts

Potential sources that may emit odors during construction activities include the application of coatings such as asphalt pavement, paints and solvents and from emissions from diesel equipment. Standard construction requirements that limit the time of day when construction may occur as well as SCAQMD Rule 1108 that limits VOC content in asphalt and Rule 1113 that limits the VOC content in paints and solvents would minimize odor impacts from construction. As such, the objectionable odors that may be produced during the construction process would be temporary and would not likely be noticeable for extended periods of time beyond the project site's boundaries. Through compliance with the applicable regulations that reduce odors and due to the transitory nature of construction odors, a less than significant odor impact would occur and no mitigation would be required.

Operations-Related Odor Impacts

The Project is not considered an intensive odor-generating use such as landfills, solid waste transfer stations, material recovery facilities, and rendering plants. Potential sources that may emit odors during the ongoing operations of the Project would primarily occur from the and diesel emissions from the backup generator as well as the outdoor trash storage areas. The operation of the backup diesel generator would be limited to 200 hours or less per year and would include an exhaust stack with a diesel particulate filter that would limit the exhaust and associated odors created from the generator. There would be no odor sources from building interior activities or building systems that would reach the outdoor atmosphere. Pursuant to City regulations, permanent trash enclosures that protect trash bins from rain and limit air circulation would be required for the trash storage areas. Due to the distance of the nearest receptors (1,150 feet or 0.2 mile) from the Project site and through compliance with SCAQMD's Rule 402 (odor regulations), Rule 110.2 (backup generator regulations) and City trash storage regulations, a less than significant impact related to odors would occur during the ongoing operations of the proposed Project. Therefore, a less than significant odor impact would occur and no mitigation would be required.

4. BIOLOGICAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☐	☒
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f. Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Explanation of Checklist Responses

4.a–d) The Project site is in a fully developed, urbanized portion of the City and is not located in an area with high ecological sensitivity. As previously mentioned, the Project site is currently developed with an existing office building, parking structure, and surface parking lot. There are a total of 109 trees located on-site, which are ornamental trees, with 107 proposed to be removed. None of these trees are identified as protected trees, which include listed trees under the California Endangered Species Act, native trees identified in the Native Plant Protection Act, and street trees. The two trees to remain are located in the southwest portion of the site. There are ornamental trees and shrubs along the Project site's frontage along Grand Avenue that vary in size, species, and health. Other ornamental trees and shrubs are throughout the existing surface parking, central plaza, to the east and south of the existing office building, and along the northern edge of the parking structure; however, given that these trees are located within an urbanized area and surrounded by impervious surfaces, they are unlikely to support any sensitive wildlife species. There are no street trees across the property frontage. As such, ESMC Title 9 Chapter Three (Street Trees), which states that removal of a street tree by a private entity requires a permit from the City, would not apply. The Project proposes to plant 74 trees of a varying species throughout the Project site,

including a selection of olive, Chinese elm, jacaranda, and other species that would visually enhance the plaza. Other areas enhanced with new trees include the front setback area of buildings along the Grand Avenue street frontage and throughout the new surface parking lot next to the existing parking structure.

The Project site does not contain any natural vegetation, natural communities, or biological resources that could support any sensitive plants or wildlife species. The property is not in an area designated as critical habitat for any sensitive wildlife species, nor is the area subject to any conservation plans, recovery plans, or similar policies and ordinances. There are no wetlands, marshes, surface drainages, ponds, lakes, streams, or any type of water-based habitat or any riparian communities on or near the Project site.[10] No food or water sources are on-site or in the surrounding areas that would support migrating fish or wildlife. The vegetation and animal species supported in the limited man-made ornamental landscaping beds include species that are commonly found in urban environments and are thus not protected by California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. As a result, the Project would have no impact on sensitive or protected biological resources, migratory wildlife corridors, or protected wetland and riparian habitats.

4.e) As stated above, there are limited ornamental trees and shrubs along the Project site's Grand Avenue frontage that vary in size, species, and health. The proposed Project would provide landscaping to meet the types and minimum sizes of plant material (trees, shrubs, and groundcover) in landscaped areas in the plaza and in setback areas as required by the ESMC. Street trees would be installed where required and where feasible in compliance with the requirements of the ESMC and the City's Master Street Tree Plan. As stated above, 74 trees of varying species would be planted throughout the Project site, including California sycamore, olive, Chinese elm, and jacaranda. Other areas enhanced with new trees would include the front setback area along the Grand Avenue street frontage and throughout the proposed surface parking lot to the east of the existing parking structure. Compliance with the City's Street Tree chapter of the ESMC, which would be confirmed through the City's plan check process, would ensure that the Project would not conflict with an applicable local policy or ordinance protecting biological resources. As such, the Project would result in no impact.

4.f) As stated above, the Project site is a previously disturbed site with no existing natural vegetation. Although there are areas within El Segundo that contain sensitive habitat, they are located in coastal areas, specifically, coastal habitat for the El Segundo blue butterfly. As described in the General Plan Conservation Element, the El Segundo blue butterfly is listed on the federal endangered species list and is dependent upon and rarely strays from coastal buckwheat plants. At this time, the butterfly occurs on a 1.96-acre preserve adjacent to and maintained by the Chevron Refinery and in the dune area under the flight path of LAX. Since this Project is not located in the City's Coastal Zone, coastal sensitive habitat would not be impacted by the proposed Project. As such, given the existing use of the Project site as commercial office space, a parking structure, and surface parking lots, the Project would not conflict with provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan. The Project would have no impact.

10 USFWS. *National Wetlands Inventory*. https://www.fws.gov/wetlands/data/mapper.html, Accessed on February 22, 2022.

5. CULTURAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5?	☐	☐	☐	☒
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?	☐	☒	☐	☐
c. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

The following analysis is based in part on the information contained in the Project Cultural Resources Memorandum by Michael Baker International, which is included as Appendix D of this IS/MND.

Explanation of Checklist Responses

5.a) A historical resource is defined in CEQA Guidelines Section 15064.5(a)(3) as any object, building, structure, site, area, place, record, or manuscript determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California. Historical resources are further defined as being associated with significant events, important persons, or distinctive characteristics of a type, period, or method of construction; representing the work of an important creative individual; or possessing high artistic values.

The potential for historic resources on the Project site was evaluated in the Project Cultural Resources Memorandum by Michael Baker International (see Appendix D). The Project area was undeveloped until 1927, when the land was used for agricultural purposes. By 1952, agricultural development of the Project site had ceased. No built features are depicted within the Project area until 1971 with a small rectangular building in the northwest corner of the Project site. By 1981, the small rectangular building is no longer extant. During the 1980's the site was used for motor vehicle parking.[11] Then the site was developed with the existing 12-story office building and parking structure, with the Certificates of Occupancy issued on March 31, 1987 and on August 13, 1987, respectively. By 1991, the Project site is depicted with the current multistory commercial office building, parking lot, and plaza. The existing structures and resources were evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and they do not appear to be historic resources for the purposes of CEQA. As evaluated in the Project Cultural Resources Memorandum, the Project site neither contains structures listed on the National Register of Historic Places nor includes structures listed as a Los Angeles Historic–Cultural Monument. As such, the Project would have no impact on a historic resource.

11 Historical Aerials Website: 1950 East Grand Avenue, El Segundo. https://historicalaerials.com/viewer. Accessed April 21, 2022.

5.b) An archaeological resource is defined in Section 15064.5(c) of the CEQA Guidelines as a site, area, or place determined to be historically significant as defined in Section 15064.5(a) or as a unique archaeological resource defined in Public Resources Code Section 21083.2 as an artifact, object, or site that contains information needed to answer important scientific research questions of public interest, or that has a special and particular quality such as being the oldest or best example of its type, or that is directly associated with a scientifically recognized important prehistoric or historic event or person.

The earliest inhabitants to the Los Angeles Basin occurred in the Paleocoastal or Paleoindian Period terms, indicating proximity to the coast, and generally dated to between about 13,000 and 8,500 before present (BP). These earliest inhabitants were highly mobile hunter-gatherers. From about 8,500 BP and 3,500 BP, the Encinitas tradition was a widespread cultural phenomenon in the Basin area distinguished by an abundance of manos and metates and a dearth of vertebrate faunal remains, projectile points, and mortar and pestle groundstone tools.

At the beginning of the historic period, the Project location is understood to be within the ancestral territory of the Gabrieliños, though no Gabrieliño villages are known to be within the vicinity of the Project site, and the place name *Waachnga* is located approximately three miles to the north-northwest. This place name potentially corresponds to the location of *Gauchn*, an Indigenous village. The Gabrieliño Indians are named because of their association with the Mission San Gabriel Arcángel, located approximately 20 miles northeast. Generally, their territory included all of the Los Angeles Basin, parts of the Santa Ana and Santa Monica Mountains, along the coast from Aliso Creek in the south to Topanga Canyon in the north, and San Clemente, San Nicolas, and Santa Catalina Islands. The Gabrielino spoke a dialect of the Cupan group of the Takic language family.

The Project area was once part of Rancho Sausal Redondo, and as mentioned above, remained undeveloped until 1927. The cultural resources assessment included a records search (File No. 21729.7831) on June 15, 2021, through the South Central Coastal Information Center (SCCIC). The SCCIC, as part of the California Historical Resources Information System, California State University, Fullerton, an affiliate of the California Office of Historic Preservation (OHP), is the official state repository of cultural resources records and reports for Los Angeles County. Three cultural resource reports were previously completed within the Project area, and two were completed within the quarter-mile search area, as identified in Table 5-1.

No cultural resources were identified within the Project area; however, because the Project would involve excavations for a new building that would include native soils, there is potential, however slight, to uncover previously undiscovered archaeological resources from the regional inhabitants.

As a result, the following Mitigation Measure CUL-1 will be implemented such that in the event of any discovery of unknown cultural resources during earthwork, impacts would be less than significant with mitigation.

Table 5-1. Previous Cultural Resource Investigations within 0.25 Mile of Project Site

Author(s)	Date	Title	Within Project Site Area?	Resources in Project area?
Wlodarski, Robert J.	1986	*Negative Archaeological Survey Report for O7-la-1 23.4/25.2*	No	No
Stickel, Gary E.	1993	*Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project*	Yes	No
Maki, Mark K.	2005	*Records Search Results for the Chevron El Segundo Refinery, El Segundo, Los Angeles County*	No	No
Harper, Caprice D. and Francesca Smith	2008	*Preliminary Cultural Resources Survey for the Formation of the Wiseburn Unified School District Project, Cities of El Segundo and Hawthorne, and Unincorporated Los Angeles County, CA*	Yes	No
Metro	2011	*Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final Environmental Impact Statement*	Yes	No

Mitigation Measure CUL-1: Archaeological and Native American monitoring shall be conducted for any grading-related ground-disturbing activity with the potential to disturb native soils (i.e., non-engineered fill) within the Project site. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983). If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the qualified archaeologist. Depending upon the nature of the find, if the discovery proves to be potentially significant under CEQA, as determined by the qualified archaeologist, additional work such as data recovery excavation, avoidance of the area of the find, documentation, testing, data recovery, reburial, archival review and/or transfer to the appropriate museum or educational institution, or other appropriate actions may be warranted at the discretion of the qualified archaeologist. The archaeologist shall complete a report of excavations and findings and submit the report to the Director of Development Services. After the find is appropriately mitigated, work in the area may resume.

Timing/Implementation: *Applicant shall submit a copy of the executed agreement with the contracted qualified archaeologist to the City prior to any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier.*

Monitoring/Enforcement: *El Segundo Development Services Department*

5.c) No evidence of any prior human burials or use as a burial ground was identified in the Cultural Resources Assessment (see Appendix D) and Native American consultation process conducted for this property. Based on the fully developed conditions on the site and the extent of disturbance on the entire property, the likelihood that Project construction would encounter and impact any human remains is expected to be remote.

In the unlikely event that human remains are encountered during Project ground-disturbing activities, the remains shall be treated in accordance with California Health and Safety Code Section 7050.5, which states that no further disturbance shall occur

until the County coroner has made a determination of the origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the County coroner shall be notified immediately. If the human remains are determined to be prehistoric, the coroner shall notify the Native American Heritage Commission, which shall determine and notify the most likely descendant. The most likely descendant shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Compliance with these regulations would reduce any potential impacts to a less than significant level.

6. ENERGY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary construction of energy resources, during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated March 20, 2022. This report is included as Appendix C of this IS/MND.

Explanation of Checklist Responses

6.a) The proposed Project would impact energy resources during construction and operation. Energy resources that would be potentially impacted include electricity, natural gas, and petroleum-based fuel supplies and distribution systems.

Project Construction

The Project construction activities are anticipated to include site preparation, grading, building construction, application of architectural coatings, and paving and site improvements. Based on these activities, the proposed Project would consume energy resources during construction in three (3) general forms:

- Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project site, construction worker travel to and from the Project site, as well as delivery and haul truck trips (e.g. hauling of demolition material to off-site reuse and disposal facilities);
- Electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power; and,
- Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction-Related Electricity

During construction, the Project would consume electricity to construct the new structures and infrastructure. Electricity would be supplied to the Project site by Southern California Edison (SCE) and would be obtained from the existing electrical lines on the Project site. The use of electricity from existing power lines rather than temporary diesel or gasoline powered generators would minimize impacts on energy use. Electricity consumed during Project construction would vary throughout the construction period

based on the construction activities being performed. Various construction activities include electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Overall, the Project construction would require limited electricity consumption that would not be expected to have an adverse impact on available electricity supplies and infrastructure. Therefore, the use of electricity during Project construction would not be considered wasteful, inefficient, or unnecessary.

Since SCE already provides power to the Project site, it is anticipated that only nominal improvements would be required to SCE distribution lines and equipment with development of the proposed project. Compliance with the 2019 California Electrical Code, as adopted by the City, and SCE requirements would ensure that the proposed Project fulfills its responsibilities relative to infrastructure installation, coordinates any electrical infrastructure removals or relocations, and limits any impacts associated with construction of the project. Construction of the Project's electrical infrastructure is not anticipated to adversely affect the electrical infrastructure serving the surrounding uses or utility system capacity. Impacts would be less than significant and no mitigation would be required.

Construction-Related Natural Gas

The Project construction would not involve the consumption of natural gas. Natural gas would not be supplied to support construction activities, thus there would be no demand generated by construction. Since SoCal Gas already provides natural gas to the Project site, construction-related activities would be limited to installation of new natural gas connections within the Project site. Similarly, the Project would not require extensive natural gas infrastructure improvements to serve the buildings. Construction-related energy usage impacts associated with the installation of natural gas connections are expected to be limited to trenching in order to place the lines below surface. In addition, prior to ground disturbance, the Project would notify and coordinate with SoCalGas to identify the locations and depth of all existing gas lines and avoid disruption of gas service. Therefore, construction-related impacts to natural gas supply and infrastructure would be less than significant and no mitigation would be required.

Construction-Related Petroleum Fuel Use

Petroleum-based fuel usage represents the highest amount of transportation energy potentially consumed during construction, which would be utilized by both off-road equipment operating on the Project site and on-road automobiles transporting workers to and from the Project site and on-road trucks transporting equipment and supplies to the Project site.

The off-road construction equipment fuel usage was calculated through use of the off-road equipment assumptions and fuel use assumptions provided by the applicant, which found that the off-road equipment utilized during Project construction would consume 52,904 gallons of fuel. The on-road construction trips fuel usage was calculated through use of the construction vehicle trip assumptions and fuel use assumptions, which found that the on-road trips generated from Project construction,

including truck haul trips to export soil cut and site preparation debris, would consume 40,837 gallons of fuel. As such, the combined fuel used from off-road construction equipment and on-road construction trips for the proposed Project would result in the consumption of 93,742 gallons of petroleum fuel. This equates to 0.0024 percent[12] of the gasoline and diesel consumed in the County of Los Angeles annually.

The Project construction activities would be required to adhere to all State and SCAQMD regulations for off-road equipment and on-road trucks, which provide minimum fuel efficiency standards. As such, construction activities would not result in the wasteful, inefficient, and unnecessary consumption of energy resources. Impacts regarding transportation energy would be less than significant. Development of the proposed project would not result in the need to manufacture construction materials or create new building material facilities specifically to supply the Project. While it is difficult to measure the energy used in the production of construction materials such as asphalt, steel, and concrete, it is reasonable to assume that the production of building materials such as concrete, steel, etc., would employ all reasonable energy conservation practices in the interest of minimizing the cost of doing business.

Operations-Related Electricity

Electricity would be supplied to the Project site by Southern California Edison (SCE) and would be obtained from the existing electrical lines on the Project site. SCE has issued a will-serve letter to confirm they are able to provide service to the site operations. Operation of the Project would result in consumption of electricity for interior and exterior lighting, heating and cooling systems, a variety of electrical appliances and office machinery, electrical vehicle charging infrastructure, and for outdoor irrigation system controls. The Project electricity consumption during operations was calculated to be 1,882,988 kilowatt-hours per year of electricity. This equates to 0.0029 percent[13] of the electricity consumed annually in the County of Los Angeles.

It should be noted, the Project would be required to comply with all Federal, State, and City requirements related to the electricity consumption, including California Code of Regulations (CCR) Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed office buildings, including enhanced insulation, use of energy efficient lighting and appliances, water and space heating systems, as well as requiring a variety of other energy-efficiency measures to be incorporated into the proposed office structures. Therefore, it is anticipated the Project will be designed and built to maximize efficiency of electricity use and that existing and planned electricity capacity and electricity supplies would be sufficient to support the proposed project's electricity demand. Thus, the Project would not result in the wasteful or inefficient use of electricity and impacts would be less than significant, with no required mitigation measures.

12 According to the California Energy Commission's "2010-2017_A15_Results.xlsx", in 2017, 3,659 million gallons of gasoline and 300 million gallons of diesel was sold in Los Angeles County. Data accessed on February 7, 2022 at: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/).

13 According to the California Energy Commission, in 2020, Los Angeles County consumed 65649.87 Gigawatt-hours per year of electricity. Data accessed on February 7, 2022 at: http://www.ecdms.energy.ca.gov/elecbycounty.aspx,)

Operations-Related Natural Gas

Natural gas would be supplied to the Project site by SoCalGas, who has issued a will-serve letter to confirm they are able to provide service to the site operations. Project]]operations, which include use of outdoor fireplaces, would result in increased consumption of natural gas, which was calculated to be 1,087 MBTU per year of natural gas. This equates to 0.0004 percent[14] of the natural gas consumed annually in Los Angeles County.

As mentioned previously, the Project would be required to comply with all Federal, State, and City requirements, including those related to the natural gas consumption. These include CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into projects, including enhanced insulation as well as use of efficient natural gas appliances and HVAC units. Therefore, it is anticipated the Project will be designed and built to maximize efficiency of natural gas use and that existing and planned natural gas capacity and natural gas supplies would be sufficient to support the proposed Project's natural gas demand. Thus, impacts with regard to wasteful or inefficient use of natural gas supply and infrastructure capacity would be less than significant and no mitigation measures would be required.

Therefore, the proposed Project would not result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. Impacts would be less than significant and no mitigation would be required.

6.b) The proposed Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Although the City has not adopted any specific plans that address energy efficiency, the City adopted the *City of El Segundo Climate Action Plan* on December 2017, that has been prepared to help the City comply with the City's GHG emissions reduction goals through implementation of many measures that also result in energy conservation and efficiency. As noted in Table 8-2 in Section 8 – Greenhouse Gas Emissions, the Project would be consistent with the City's CAP and with the applicable energy efficiency strategies set forth in the CAP. This would primarily entail project compliance with the building energy efficiency standards set forth in Title 24, Part 6 of the California Government Code, and compliance with the City's Municipal Code, Title 13, Chapter 11, Green Building Standards Code, requires all development projects, including this Project, to meet the California Green Building Standards Code (CalGreen) building requirements to implement various energy efficiency design features into the proposed office buildings. As such, the proposed Project would be designed to meet all applicable State building energy efficiency standards as well as to meet the City's energy efficiency standards. Therefore, the Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts would be less than significant and no mitigation would be required.

14 According to the California Energy Commission, in 2020, Los Angeles County consumed 2,936.69 million therms of natural gas. Data accessed online on February 7, 2022 at: http://www.ecdms.energy.ca.gov/gasbycounty.aspx.

7. GEOLOGY AND SOILS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Directly or indirectly cause substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit that is unstable, or that would become unstable as a result of the project, and potentially result in on-or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2004), creating substantial risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

This section is based, in part, on the Report of Geotechnical Consultation prepared by Wood Environment & Infrastructure Solutions, Inc., revised November 3, 2020, which is included as Appendix D of this IS/MND and the Project Preliminary Low Impact Development (LID) Report prepared by Ware Malcomb, dated June 16, 2021, provided in Appendix F.

Explanation of Checklist Responses

7.a.i) The Alquist-Priolo Earthquake Fault Zoning Act of 1972 serves to mitigate the hazard of surface faulting to structures for human occupancy and is intended to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The act requires the State Geologist to establish regulatory zones, known as Alquist-Priolo Earthquake Fault Zones, around the surface traces of active faults and to

issue maps delineating these zones. If an active fault is found, a structure for human occupancy cannot be placed over the trace of the fault and must be set back from the fault (typically 50 feet). The act defines active faults as those that have experienced surface displacement or movement during the last 11,000 years.

The Project site is located at 1950 and 1960 Grand Avenue, in a seismically active region in Southern California near several fault systems. According to the Department of Conservation and provided in the Project geotechnical investigation (Appendix E), the Project site is not affected by a State-designated Alquist-Priolo Earthquake Fault Zone.[15] Mapped fault zones closest to the Project vicinity include the Newport-Inglewood, Palos Verdes, Puente Hills (LA), and Santa Monica Faults, located 3.6, 4.9, 8.1, and 8.9 miles, respectively, from the Project site. The geotechnical report did not identify any traces of faults on or near the Project site, and the site does not lie within the boundaries of a known earthquake fault zone. The Project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, involving rupture of a known earthquake fault. Because there are no known faults on or near the Project site, the Project would be expected to result in no impact.

7.a.ii) Ground shaking is the primary cause of structural damage during an earthquake. Magnitude, duration, and vibration frequency from earthquakes would vary greatly, depending on the fault and its distance from the Project site.

As mentioned above, the nearest known active faults are the Newport-Inglewood, Palos Verdes, Puente Hills (LA), and Santa Monica Faults, located 3.6, 4.9, 8.1, and 8.9 miles from the Project site, with anticipated maximum moment magnitudes (Mw) of 7.5, 7.7, 7.0, and 7.4, respectively. Seismic activity along these faults or on any other of the numerous faults in the Southern California area would cause seismic ground shaking in El Segundo and consequently is considered during project design.

General types of ground failures that might occur as a consequence of severe ground shaking include landsliding, ground lurching, and shallow ground rupture. The probability of occurrence for these types of failures depends on the severity of the earthquake, distance from faults, topography, subsoils, and groundwater conditions. Current geotechnical analysis of the project site indicates none of these effects would be considered likely to occur. The potential for dynamic settlement resulting from severe earthquake shaking along the proposed fill slopes is present and is estimated to be on the order of less than one inch. The potential for ground rupture is remote and is not considered to be a hazard for this project.

The Project would be required to conduct a final geotechnical investigation and be designed in accordance with the California Building Standards Code (CBSC) and ESMC standards through the City's plan review and permitting process, which would reduce the effects of seismic ground shaking. As a result, the effects of ground shaking would be expected to be less than significant for the Project and no mitigation would be required.

7.a.iii) Liquefaction is the transformation of a deposit of soil from a solid state to a liquefied state, typically during prolonged ground shaking events such as earthquakes, and the soil acquires mobility sufficient to permit both horizontal and vertical movements.

15 California Department of Conservation. EQ Zapp: California Earthquake Hazards Zone Application (https://maps.conservation.ca.gov/cgs/EQZApp/app/).

According to the Project's preliminary geotechnical investigation, the Project site is not located in a California Geological Survey Liquefaction Hazard Zone, which is defined as areas where historical occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacement. Groundwater was not encountered during prior geotechnical explorations that reached a depth of 101 feet. Given this depth to groundwater, the site is not subject to liquefaction-induced settlement. Additionally, as the Project would be required to be designed in accordance with CBSC and ESMC standards, the Project would be expected to result in less than significant impacts to liquefaction hazards and no mitigation would be required.

7.a.iv) The Project site is characterized by relatively flat topography. No unusual geographic features exist on the site or in its vicinity; thus, the site does not have the potential to slide or to experience sliding from adjacent areas. According to the California Department of Conservation, the Project site is not located in a landslide hazard area. Therefore, Project implementation would not expose people or structures to landslides.[16] Thus, no impact would occur.

7.b) Construction of the Project involves ground-disturbance activities such as site preparation, asphalt removal, grading, excavation and trenching for foundations and utilities, and the erection of two new structures. Unstable soil conditions could develop if exposed soils are exposed to rain and wind erosion, or construction traffic.

However, the Project would be subject to the requirements of the National Pollutant Discharge Elimination System (NPDES) program and the Los Angeles County Separate Storm Sewer System (MS4) Permit (NPDES Permit No. CAS004004, Order No. R4-2021-0105) (implemented through a Stormwater Pollution Prevention Plan [SWPPP] and Standard Urban Stormwater Mitigation Plan [SUSMP]) and the City's Municipal Code. Both the ESMC and the SUSMP require application of erosion and sedimentation control best management practices (BMPs) during construction for proper water quality management. Erosion control BMPs are designed to prevent erosion, whereas sediment controls are designed to trap sediment once it has been mobilized. The Project's preliminary drainage design, which include erosion control and sedimentation control BMPs implemented for Project operation is provided in Appendix F. Further, the Project applicant is required to comply with SCAQMD Rule 403, which would reduce the potential for wind erosion by requiring the implementation of dust control measures during construction.

Compliance with these requirements would prevent significant soil erosion during construction. During operations, the majority of the fully developed site would be covered by impervious surfaces such as pavement and buildings, which would prevent any soil erosion following construction. Unpaved areas would be landscaped, which would also prevent soil erosion. In summary, Project-related impacts involving soil erosion and loss of topsoil would be less than significant and no mitigation would be required.

7.c) The Project site has a relatively flat topography, with no hillsides on-site or in the surrounding area. Further, the Project site is not located on a cliff, mountainside, bluff, or other geographic feature with stability concerns. As described above in checklist

16 California Department of Conservation. EQ Zapp: California Earthquake Hazards Zone Application (https://maps.conservation.ca.gov/cgs/EQZApp/app/).

response 7.a, the site is not susceptible to liquefaction, landslide, subsidence, or collapse. Grading and structural design of the proposed improvements would apply the recommendations of the final geotechnical report and the applicable standards of the California Building Code to ensure that the proposed building foundation provides a stable footing for the proposed new building. The Project is expected to result in less than significant impacts related to unstable geologic units or soils; thus, no mitigation would be required.

7.d) Based on the geotechnical report prepared for the Project (Appendix E), the site is underlain by fill ranging from 2 feet to 22 feet below ground surface (bgs). This fill consisted of silty sand and sand. Below the fill, the soil is primarily sand with some near surface silty sands and layers of clayey silt and sandy silt below a depth of 80 feet bgs. As recommended in the geotechnical report, any imported fill would consist of non-expansive soils. Therefore, the proposed Project's impacts related to expansive soils would be less than significant and no mitigation would be required.

7.e) No septic tanks or alternative wastewater disposal systems are proposed as part of the Project. Since the Project site is currently developed, sewer and wastewater infrastructure are currently in place. Furthermore, the site is connected to the public sewer system in the City. Therefore, no impact would occur with regard to sewers or alternative wastewater disposal systems.

7.f) The Project site does not contain any unique geological feature or formation. As discussed previously, the entire Project property has been highly disturbed with prior agricultural uses and subsequently developed with the current buildings and parking lot. As shown in the Project's geotechnical report (Appendix E), subsurface boring has indicated that the Project site sediments consist of artificial fill ranging from 2 feet to 22 feet, followed by underlying eolian deposits. Based on prior paleontological investigations performed for the Crenshaw Transit Corridor Project and LAX Master Plan Final EIS/EIR, which include the Project area, sensitive paleontological resources were identified in the Project vicinity. Construction of the office building and parking structure would require excavations exceeding 1 foot during the foundation work. As a result, the Project has the potential to disturb unknown paleontological resources. The following Mitigation Measure PALEO-1 will be implemented such that in the event of any discovery of unknown paleontological resources during earthwork, impacts would be less than significant with mitigation.

> Mitigation Measure Paleo-1: The applicant shall retain a qualified paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology (SVP) to develop a Worker Environmental Awareness Program (WEAP), which shall be in compliance with SVP guidelines. The paleontologist shall present the training to all construction staff to provide them with a basic understanding of the types of fossils that may be encountered and the laws protecting them, and the procedures to follow in the event the finds are encountered. In the event that paleontological resources are encountered during earth disturbance activities, all construction activities in the area of the find shall be temporarily halted and the paleontologist shall be notified to evaluate the find and determine the appropriate treatment in accordance with SVP guidelines for identification, evaluation, disclosure, avoidance, or recovery, and curation, as appropriate.
>
> *Timing/Implementation: Applicant shall submit a copy of the executed agreement with the contracted qualified paleontologist*

to the City prior to any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier. WEAP training shall be administered prior to the start of earthwork activities and shall be administered to any new construction workers involved in excavation efforts associated with the Project.

Monitoring/Enforcement: *El Segundo Development Services Department*

8. GREENHOUSE GAS EMISSIONS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated March 2022. This report is included as Appendix C of this IS/MND.

Explanation of Checklist Responses

8.a) Amendments to CEQA Guidelines Section 15064.4 were adopted to assist lead agencies in determining the significance of GHG emissions impacts. CEQA Guidelines Section 15064.4 gives lead agencies the discretion to determine whether to assess those emissions quantitatively or qualitatively. If a qualitative analysis is used, in addition to quantification, this section recommends certain qualitative factors that may be used in the determination of significance (i.e., extent to which the project may increase or reduce GHG emissions compared to the existing environment; whether the project exceeds an applicable significance threshold; and extent to which the project complies with regulations or requirements adopted to implement a reduction or mitigation of GHGs). The amendments to CEQA Guidelines Section 15064.4 do not establish a threshold of significance; rather, lead agencies are granted discretion to establish significance thresholds for their respective jurisdictions.

CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of non-significance for GHG emissions if a project complies with a program and/or other regulatory schemes to reduce GHG emissions. The City adopted the *City of El Segundo Climate Action Plan* (El Segundo CAP) in 2017 to help implement compliance with the City's GHG emissions reduction goals as well as State and federal regulations that include Assembly Bill (AB) 32 (Chapter 488, Statutes of 2006), Senate Bill (SB) 32 (Chapter 249, Statutes of 2016), and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP was prepared in accordance with Section 15183.5(b) of the State CEQA Guidelines for qualified plans to support tiering for project level analyses, and states "Within the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan."

While the El Segundo CAP does not provide GHG thresholds of significance and quantification of the proposed Project's GHG emissions are not required to show consistency with the CAP, the Project's GHG emissions have been calculated with the CalEEMod model, for informational purposes. A summary of the results is shown below in Table 8-1.

Table 8-1. Project Related Greenhouse Gas Annual Emissions

Category	Greenhouse Gas Emissions (Metric Tons per Year)			
	CO_2	CH_4	N_2O	CO_2e
Area Sources[1]	0.51	<0.00	<0.00	0.51
Energy Usage[2]	393.35	0.03	<0.00	395.42
Mobile Sources[3]	641.50	0.05	0.03	651.37
Backup Generator[4]	3.85	<0.00	<0.00	3.86
Solid Waste[5]	8.83	0.52	<0.00	21.88
Water and Wastewater[6]	53.80	0.44	0.01	67.94
Construction[7]	28.72	<0.00	<0.00	29.21
Total GHG Emissions	1,130.55	1.04	0.04	1,170.19

Notes:
1 Area sources consist of GHG emissions from consumer products, architectural coatings, and landscaping equipment.
2 Energy usage consists of GHG emissions from electricity and natural gas usage.
3 Mobile sources consist of GHG emissions from vehicles.
4 The size of the proposed backup generator has not yet been determined. This analysis is based on a 389 Horsepower diesel generator that has a cycling schedule of 30 minutes per week.
5 Waste includes the CO2 and CH4 emissions created from the solid waste placed in landfills.
6 Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
7 Construction emissions amortized over 30 years as recommended in the SCAQMD GHG Working Group on November 19, 2009.
Source: CalEEMod Version 2020.4.0.

The data provided in Table 8-1 shows that the Project would generate 1,170.19 metric tons of carbon dioxide equivalent ($MTCO2_e$) per year of GHGs, which includes the 30-year amortized construction emissions, and is below the SCAQMD draft GHG significance threshold of 3,000 $MTCO2_e$ per year for residential/commercial sector uses.[17] It should be noted that Table 8-1 is based on current emission rates from area sources, energy usage, solid waste, water and wastewater sources. State regulations, including SB 100 (Chapter 312, Statutes of 2018) that requires 100 percent of retail sales of electricity to be generated from zero-carbon emissions sources by 2045, along with other regulations aimed at GHG reduction from other sources, will result in further reducing these emissions sources. In addition, the transportation sources only incorporate previously adopted state regulations and do not account for recent state regulations, including the anticipated reductions from Executive Order N-79-20 that requires 100 percent of new passenger vehicles sold in California to be zero-emissions by 2035. The Project's consistency with the El Segundo CAP is provided in Table 8-2, below. In summary, proposed Project would not generate substantial levels of GHG emissions, either directly or indirectly, that may have a significant impact on the environment. Project impacts would be less than significant and no mitigation measures would be required.

8.b) The applicable plan for the Project would be the El Segundo CAP, which was developed in cooperation with the South Bay Cities Council of Governments (SBCOG) and serves as a guide for action by setting GHG emission reduction goals and establishing strategies and policies across various sectors to achieve desired outcomes into the future. The strategies are community-wide and focus on lowering GHG emissions from a range of sources including transportation, land use, energy generation and consumption, water, and waste. The Project's consistency with applicable GHG emissions reduction strategies in the El Segundo CAP is provided in Table 8-2.

17 SCAQMD, *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*, October 29, 2008.

Table 8-2. Consistency with the El Segundo CAP

Sub-Strategies	Project Consistency
Goal LUT: A – Accelerate the Market for EV Vehicles	
LUT: A1 EV Parking Policies	Not Applicable. This Strategy requires the City to consider allowing a reduction of parking spaces in exchange for EV or Neighborhood Electric Vehicle (NEV) parking. The Project applicant is not requesting a reduction in parking spaces. Nevertheless, the Project is proposing 7 electric vehicle spaces.
LUT: A2.4 Adopt charging standards beyond CalGreen 2016 requirements.	Does not conflict. This action is applicable to the City to implement. However, the Project is required to meet CalGreen 2016 requirements for on-site electric vehicle charging infrastructure.
LUT: A2.5 Create policies that encourage facility owners to provide level 1 charging.	Not Applicable. This action is applicable to the City to implement. However, the Project will include designated EV parking.
Goal LUT: B – Encourage Ride-Sharing	
LUT: B1 Facilitate Private and Public Mobility Services (Ride-Hailing, Ride-Sharing, Car-Sharing, Bike-Sharing)	Not Applicable. This policy is only applicable to the City to work with private and public services to provide different types of mobility services for sharing.
LUT: B1.1 Facilitate bike-sharing.	Does not conflict. This policy is applicable to the City to implement; however, the Project supports this goal by providing both short-term and long-term bike parking.
LUT: B1.2 Facilitate car-sharing.	Does not conflict. This policy is applicable to the City to implement.
LUT: B1.3 Facilitating ride-hailing and ride-sharing.	Does not conflict. This policy is applicable to the City to implement. However, the Project is over parked and the proposed extra parking spaces could be used for ride-hailing and ride-sharing uses in the future.
Goal LUT: D – Adopt Active Transportation Initiatives	
LUT: D1 Provide Traffic Calming Measures	Consistent. The Project meets the City's strategies to provide traffic calming measures with proposed increased landscaping along the Project frontage and encouraging pedestrian and bicycle uses.
LUT: D1.2 Use traffic calming measures on streets where feasible.	Consistent. The Project meets the City's requirements to provide traffic calming measures on the Project site with increased landscaping along the Project frontage and encouraging pedestrian and bicycle uses.
LUT: D1.2 Use traffic calming measures on streets where feasible.	Consistent. The proposed Project meets the City's requirements to provide traffic calming measures as mentioned above on the Project site.
LUT: D1.3 Implement traffic calming measures in future developments.	Consistent. The proposed Project meets the City's requirements to provide traffic calming measures as mentioned above on the Project site.
LUT: D1.4 Promote traffic calming measures in future developments.	Consistent. The proposed Project meets the City's requirements to provide traffic calming measures as mentioned above in future developments.
LUT: D2 Provide Pedestrian/Bicycle Networks Improvements	Consistent. The Project provides an on-site pedestrian and bicycle circulation system and associated amenities.
LUT: D2.1 Provide pedestrian and bicycle networks.	Consistent. The proposed Project provides pedestrian and bicycle circulation.
LUT: D3 Improve Design of Development.	Consistent. The Project improves design development by providing pedestrian and bicycle amenities and bicycle parking.
LUT: D3.1 Amend the Bicycle and Pedestrian Master Plan.	Does not conflict. This policy is applicable to the City to implement. However, the proposed Project supports this goal by providing an onsite pedestrian and bicycle circulation system.
LUT: D3.2 Require bicycle parking through the Zoning Code or other implementation documents.	Does not conflict. This policy is only applicable to the City to implement. However, the Project does provide both short-term and long-term bicycle parking.

Table 8-2, continued

Sub-Strategies	Project Consistency
LUT: D3.3 Require new developments to provide pedestrian, bicycle, and transit amenities.	Consistent. The Project would provide pedestrian and bicycle amenities.
LUT: D3.5 Require commercial and multi-family residential projects to provide permanent bicycle parking facilities.	Consistent. The Project would provide permanent (long-term) bicycle parking locations.
LUT: D3.6 Provide short and long-term bicycle parking near key areas.	Consistent. The Project would provide both short and long-term bicycle parking on the Project site.
LUT: D3.12 Construct or improve pedestrian infrastructure around transit.	Does not conflict. This policy is applicable to the City to implement. However, the Project would provide an on-site pedestrian circulation system.
Goal LUT: E – Parking Strategies	
LUT: E2.2 Encourage developers of new development to unbundle parking and eliminate the assignment of specific stalls.	Consistent. The Project parking structure would not assign specific stalls other than for electric and clean air vehicle spaces within the public parking areas.
Goal EE: D – Increase Energy Efficiency in New Commercial Developments	
EE: D Encourage or Require EE Standards Exceeding Title 24	Consistent. The Project will be designed to meet or exceed existing Title 24 requirements.
Goal EE: E – Increase Energy Efficiency through Increased Water Efficiency (WE)	
EE: E1 Promote or Require Water Efficiency Through SB X7-7.	Does not conflict. This policy is only applicable to the City to implement. However, the Project is required to meet California Green Building Standards Title 24 Part 11 related to water efficiency.
EE: E1.3 Require low-irrigation landscaping.	Consistent. The proposed project will provide low-water demand irrigation landscaping.
Goal EE: F – Decrease Energy Demand through Reducing Urban Heat Island Effect	
EE: F1 Promote Tree Planting for Shading and EE	Consistent. The Project provides a landscape plan with 74 trees of varying species, including specimen size jacaranda and tipu trees that will provide shading.
EE: F1.1 Encourage tree planting at plan check.	Not Applicable. This policy is only applicable to the City to implement. However, the proposed project does provide a landscape plan with a variety of new trees.
Goal EE: G – Participate in Education, Outreach and Planning for Energy Efficiency	
No Sub-Strategies provided for this Goal, which does not apply to developers of private commercial land uses.	
Goal EE: H – Increase Energy Efficiency in Municipal Buildings	
No Sub-Strategies provided for this Goal, which does not apply to private development projects.	
Goal EE: I – Increase Energy Efficiency in City Infrastructure	
No Sub-Strategies provided for this Goal, which does not apply to private development projects.	

Source: City of El Segundo Climate Action Plan, 2017.

As shown in Table 8-2, the proposed Project would generally be consistent with applicable strategies identified in the El Segundo CAP. Therefore, implementation of the Project would not impede attainment of the GHG reduction objectives in the CAP and would not result in cumulatively considerable environmental impacts associated with its GHG emissions. Project impacts would be less than significant and no mitigation measures are required.

9. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

Responses to the following questions include information from site investigations and assessments of prior land use activities regarding potential environmental contaminants in the Phase I Environmental Site Assessment (ESA) prepared by EBI Consulting, dated October 10, 2019. The investigation report is included in this Initial Study as Appendix G and was conducted on both parcels comprising the Project site area. The Phase I ESA was conducted to identify potential presence of recognized environmental conditions (RECs) or historical recognized environmental conditions (HRECs) through review of historical property information and regulatory files and databases, and conducting interviews with property representatives and site reconnaissance, in general conformance with ASTM Practice E1527-05 Standard Practice for ESAs.

Explanation of Checklist Responses

9.a) The proposed Project would provide office building uses that would involve the use of equipment and materials that are standard in general office, parking, and landscaping uses. Small amounts of commercially available hazardous materials may be used for regular cleaning and maintenance activities, which would neither require the storage,

use, or disposal of substantial amounts of hazardous materials nor generate significant quantities of hazardous waste. This usage would not require the storage, use, transport, or disposal of quantities of hazardous substances that would be subject to any special handling or permitting requirements. Therefore, this Project's normal operations would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Impacts in this regard would be less than significant and no mitigation measures are required.

9.b) The Project site was developed for agricultural use from at least 1928. At some point prior to 1947, in addition to agricultural uses, the site became part of an oilfield exploration terrain. By 1952, agricultural development of the Project site had ceased. No built features are depicted within the Project area until 1971 with a small rectangular building in the northwest corner of the Project site. By 1981, the small rectangular building is no longer extant. During the 1980's the site was used for motor vehicle parking.[18] In 1987, the site was developed into its present configuration with the existing 12-story office building, parking structure, and plaza. Based on the age of the buildings, the prior uses, and proposed construction activities, the Project has a low to negligible potential to result in accidental releases of hazardous substances. The Phase I did not identify any RECs on or adjacent to the Project site.

Construction activities may also include refueling and minor maintenance of construction equipment on-site, which could lead to minor fuel and oil spills. As described in checklist response 10.a, a variety of construction control measures would be incorporated, including preconstruction development controls, sedimentation, storm drain, landscaping, and irrigation controls to prevent conditions that would release hazardous materials into the environment.

In summary, the Project has a low potential to result in accidental releases of hazardous substances due to construction activities and impacts would be less than significant and no mitigation would be required.

9.c) The nearest school is El Segundo Middle School, which is approximately 2,579 feet (0.49 miles) west of the Project location. As such, the risk of hazardous emissions or handling hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school is negligible. Further, as discussed above under 9.b, no RECs have been identified on or adjacent to the Project. During operations, the indoor and outdoor activities associated with the proposed office use would not generate hazardous air emissions or handle hazardous or acutely hazardous materials, substances, or waste.

Therefore, the proposed Project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Impacts in this regard are less than significant and no mitigation would be required.

9.d) The Phase I ESA (Appendix G) included a search of the Department of Toxic Substances (DTSC) EnviroStor database and a search of the State Water Resources Control Board leaking underground storage tank database (GeoTracker) and found no sites involving current or past site contamination and government agency oversight thereof within 500

18 Historical Aerials Website: 1950 East Grand Avenue, El Segundo. https://historicalaerials.com/viewer. Accessed April 21, 2022.

feet of the Project site (Appendix G). Additionally, neither EnviroStor nor GeoTracker have identified any sites since the completion of the Phase 1 ESA.[19, 20] The Project site is not recorded on either database. As a result, the Project would result in no impact.

9.e) LAX is the closest public airport, located approximately 1 mile north of the Project site. In compliance with legislative requirements, the Los Angeles County Airport Land Use Commission (ALUC) prepared the Los Angeles County Airport Land Use Plan (ALUP), revised on December 1, 2004. The ALUP provides for the orderly expansion of Los Angeles County's public use airports and the areas surrounding them. It is also intended to provide for the adoption of land use measures that minimize the public's exposure to excessive noise and safety hazards. In formulating the ALUP, the Los Angeles County ALUC established provisions for safety, noise insulation, and the regulation of building height in areas adjacent to each of the county's public airports. The Project site is not located within the LAX noise contour or airport influence area, which the ALUP defines as an area where current or future airport-related noise, overflight, safety, and/or airspace protection factors may significantly affect land uses or necessitate restrictions on those uses. Notwithstanding this, due to the proximity of the airport, the proposed structure height of 69'-5" might exceed the 100:1 imaginary surface from the edge of the runway. In accordance with 14 CFR Part 77 § 77.9, the applicant is required notify the FAA 45 working days prior to the commencement of construction to ensure to identify and address any aeronautical hazards. In summary, the Project would result in less than significant impact.

9.f) The El Segundo Standardized Emergency Management System Emergency Operations Plan (EOP) addresses the City's planned response to extraordinary emergency situations and incorporates the Emergency Operations Center, phone systems, and other infrastructure changes that occurred since the first edition of the plan was created. The objective of the EOP is to centralize coordination of all necessary personnel and facilities of the City into an organization capable of responding to any emergency. The EOP addresses the four fundamental elements of comprehensive emergency management: Mitigation; Preparedness; Response; and Recovery. The proposed Project would have no impact on the City's EOP.

During construction, Grand Avenue would remain open and existing driveways entering and exiting the property would remain accessible to emergency vehicles. The Project would be required to obtain approval from the El Segundo Fire Department to verify that the Project complies with all applicable Fire Code requirements, which would ensure that adequate emergency vehicle access would be provided. During long-term operation, adequate access for emergency vehicles to connected roadways (East Grand Avenue) adjacent to the Project site would be available via the existing driveways. Thus, the Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts in this regard are less than significant and no mitigation would be required.

19 California Department of Toxic Substances Control. EnviroStor Database. Available at https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=1950+E+Grand+Avenue+El+Segundo+CA

20 State Water Resources Control Board. GeoTracker Database. Available at https://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=1950+E+Grand+Avenue+El+Segundo+CA

9.g) Since the previously developed Project site is located in a highly urbanized area where there are no wildlands, development of the proposed Project would not expose buildings or people to wildland fire hazards. Thus, no impact would occur.

10. HYDROLOGY AND WATER QUALITY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or off-site;	☐	☐	☐	☒
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) Impede or redirect flood flows?	☐	☐	☐	☒
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Explanation of Checklist Responses

10.a, c) The Project site has been fully developed, including the existing office building, parking structure, and the paved parking lot. The Project includes the new construction of an office building and parking structure, as well as a landscaped outdoor plaza area. The Project would be required to prepare a grading and drainage plan to allow for proper stormwater drainage, and the Project will include development techniques, such as use of landscaping vegetative cover, pervious ground cover (e.g., planted steps, drivable grass, pea gravel, mulches), drywells, and other BMPs to encourage infiltration and reduce runoff, as provided in the Project Preliminary LID Report (Appendix F).

Section 402 of the federal Clean Water Act requires National Pollutant Discharge Elimination System (NPDES) permits for stormwater discharges from storm drain systems

to waters of the United States.[21] The City of El Segundo is a co-permittee of the Los Angeles County MS4 permit (Order No. R4-2012-0175-A01; NPDES No. CAS004001), which was adopted November 8, 2012, and amended November 23, 2016, by the State Water Resources Control Board (WQ2015-0075).

The proposed Project would be subject to the requirements of the Municipal NPDES Permit and the City's Municipal Code, which incorporates by reference the County of Los Angeles Low Impact Development (LID) Ordinance (Ordinance Number 2013-0044).[22] The ESMC requires application of erosion and sedimentation control BMPs during construction for proper water quality management. Erosion control BMPs are designed to prevent erosion, whereas sediment controls are designed to trap sediment once it has been mobilized. BMPs must be designed to prevent erosion and construction pollutants from entering the City's storm drain and receiving waters. As part of its normal project approval and construction oversight activities, the City of El Segundo monitors compliance with stormwater BMP requirements.

The Los Angeles County MS4 Permit also requires that stormwater pollution prevention plans (SWPPPs) be prepared for all construction projects with disturbed areas of 1 acre or greater. The statewide NPDES Construction General Permit maintained by the State Water Resources Control Board also requires a SWPPP for construction projects that involve 1 or more acres of land disturbance. The SWPPP is required to outline the BMPs that would be incorporated during construction.[23] These BMPs would minimize construction-induced water pollutants by controlling erosion and sediment, establishing waste handling/disposal requirements, and providing non-stormwater management procedures.

Further, the Los Angeles Regional Water Quality Control Board prepares and maintains a basin plan which identifies narrative and numerical water quality objectives to protect all beneficial uses of the waters of that region. The basin plan strives to achieve the identified water quality objectives through implementation of Waste Discharge Requirements and by employing three strategies for addressing water quality issues: control of point source pollutants, control of nonpoint source pollutants, and remediation of existing contamination. The Project site is located in the Los Angeles region and is, therefore, covered under the Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan).

Point sources of pollutants are well-defined locations at which pollutants flow into water bodies (discharges from wastewater treatment plants and industrial sources, for example). These sources are controlled through regulatory systems including permitting under California's Waste Discharge Requirements and the NPDES program; permits are issued by the appropriate Regional Water Quality Control Board and may set discharge limitations or other discharge provisions. According to the Basin Plan, nonpoint sources of pollutants in runoff are typically caused by rain or irrigation and have been classified by the USEPA into one of the following categories: agriculture, urban runoff, construction, hydromodification, resource extraction, silviculture, and land disposal.

21 Storm drainage systems are described as municipal separate storm sewer systems (MS4s) and include streets, gutters, conduits, natural or artificial drains, channels, and watercourses or other facilities that are owned, operated, maintained, or controlled by a permittee and used for purposes of collecting, storing, transporting, or disposing of stormwater.

22 El Segundo Municipal Code, Title 5, Chapter 7, 5-7-8, Best Management Practices (BMPs) and Title 5, Chapter 4, Stormwater and Urban Runoff Pollution Control.

23 El Segundo Municipal Code, Title 5, Chapter 4, 5-4-9, Construction Activity Stormwater Measures

Runoff from the proposed Project would consist only of non-point sources, during construction and over the operating life of the fully developed site, as discussed below.

The Project could have both short- and long-term impacts on water quality. Short-term impacts would occur during the construction phase of the Project, when the pollutants of greatest concern are sediment, which may run off the Project site due to site grading or other site preparation activities, miscellaneous solid and liquid wastes that may not be properly collected and stored, and hydrocarbon or fossil fuel remnants from the construction equipment. In addition, on-site watering activities to reduce airborne dust could contribute to pollutant loading in surface runoff.

However as indicated above, the Project applicant would be subject to the requirements of the Los Angeles County MS4 permit and the City's Municipal Code. Specifically, construction runoff is regulated by the NPDES Construction General Permit, discussed above, which requires identification of various water quality control BMPs to be specified on construction plans and implemented throughout construction. Such BMP requirements may include, but would not be limited to, containing stormwater runoff on-site during rain events, limiting grading during the wet season, covering slopes susceptible to erosion, and retaining non-stormwater runoff on-site (e.g., runoff from vehicle washing). Through these existing, mandatory regulatory compliance measures, potential water quality impacts during construction would be avoided or reduced to less than significant levels and would avoid conflicts with water quality standards established by the Regional Water Quality Control Board.

Long-term impacts would result from operation of the completed Project, with waste material dumped into storm drain inlets having the potential to adversely impact surface water and groundwater. Anticipated pollutants of concern likely generated by Project operation would be those related to commercial office uses. Building materials can potentially contribute to pollutants of concern for stormwater runoff through leaching. Building construction materials, roofing, and fencing materials may be sources of metals in stormwater runoff, especially due to acidic precipitation. Stormwater runoff from areas where refuse is stored or handled could inadvertently transport trash to storm drain inlets, channels, and/or receiving waters. Oil and grease buildup in parking areas, drive aisles, and driveways is a form of contaminant that could be captured in site runoff and flow into the City's storm drains. Landscaping practices could produce pollution through irrigation runoff and by allowing pollutants to enter the storm drainage system. Discharges from the Project site could thus produce polluted runoff that could enter the municipal storm drain system.

While the Project would generate stormwater runoff during Project operation, as described above, the proposed landscaping and infiltration design, which is provided in the Project Preliminary LID Report (Appendix F), would maintain the volume of runoff as the existing Project site, but would better balance the storm drain flows between the property addresses. Further, the Project would be required to have a stormwater management system that is designed to comply with the City of El Segundo's LID requirements, which state that the first flush (resulting from the 85th percentile annual rainstorm) would need to be infiltrated in the soils via infiltration wells, captured in a cistern and treated for on-site reuse, or filtered through bioretention planters and released. Therefore, the Project would not substantially alter the existing drainage pattern of the Project site.

As shown on the Project Preliminary LID Report (Appendix F), the Project would include dry wells at the low point of each drive aisle to treat and infiltrate the 85th percentile storm design capture volume per LA County guidelines. The western portion of the site will capture surface flows, including from roof drains, from the proposed building. The proposed building will have two 6-inch connections with a total flow of 650 gallons per minute (gpm). The existing catch basins at the low point of the western drive aisle will remain to capture flows form the drive aisle and area drains within the courtyards will also capture runoff. Flows from the western lot will be collected and conveyed to the northwest portion of the site where the existing 18-inch line connects to the existing public 36-inch main in Grand Avenue. The western portion of the site will have a Q25 flow rate of 1,615 gpm. The eastern connection will capture surface flows, including roof drains from the proposed parking structure. The proposed parking structure will have two 6-inch connections with a total flow of 550 gpm. The catch basins at the low point of the eastern drive aisle will remain to capture flows from the drive aisle and area drains within the courtyards will also capture runoff. Flows from the eastern lot will be collected and conveyed to the northeast portion of the site where the existing 15-inch line connects to a catch basin in Grand Avenue that then connects to the public 36-inch storm drain main. The eastern portion of the site will have a Q25 flow rate of 1,615 gpm.

The Project's operation would result in an increase in the amount of impermeable surfaces as compared with existing conditions due to the construction of two new structures. However, the site runoff would be better balanced between the eastern and western portions. Further, the proposed volume control, treatment, and maintenance BMPs specified in the LID would sufficiently minimize the potential water pollution impacts of site runoff. Although the proposed Project may result in some minor alteration of existing on-site drainage patterns, stormwater would continue to be directed toward Grand Avenue, and the storm drain system that serves the current Project site would remain sufficient. Therefore, the proposed Project would not result in flooding, would not create runoff that would exceed the capacity of the storm drain system, and would not be a substantial additional source of polluted runoff.

The Project site is not located within a 100-year floodplain boundary, as identified by the Flood Insurance Rate Maps prepared by the Federal Emergency Management Agency.[24] Since the Project would not be located within a 100-year flood hazard area, development of the proposed Project would not expose people or structures to significant flood hazards and would not impede or redirect flood flows.

In short, implementation of the best management practices identified above would be sufficient to limit water pollution impacts in site runoff and ensure that the developed site would not result in polluted runoff which would violate applicable water quality standards. Further, as the existing drainage pattern of the Project site would not be substantially altered by the proposed development, the Project would not result in excessive sedimentation, redirected flood flows, or other impacts resulting from a change in drainage patterns. As such, Project impacts would be less than significant and no mitigation measure is required.

24 FEMA. FIRM Panel 06037C1767G. Accessed online on January 28, 2022 at: https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd.

10.b) The Project site is located within the jurisdiction of the West Basin Municipal Water District (West Basin MWD). West Basin MWD purchases imported water from the Metropolitan Water District of Southern California and wholesales the imported water to cities and private companies in southwest Los Angeles County, including El Segundo. Water utility service to the Project site is provided by the El Segundo Public Works Department Water Division. According to the West Basin MWD's 2020 Urban Water Management Plan (UWMP), the 2020 water supply consisted of: 15 percent groundwater; 75 percent imported water; 11 percent recycled water; and less than 1 percent desalinated water.[25]

The groundwater supply is extracted from the West Coast Groundwater Basin, which covers approximately 140 square miles and underlies much of the West Basin MWD's service area, including El Segundo. The average amount of water extracted from the groundwater basin is approximately 30,100 acre-feet per year. Because the basin is adjudicated (i.e., the amount to be extracted each year has been determined by a court decision), the rights to the amount of groundwater extracted each year remain virtually the same. The Water Replenishment District of Southern California (WRD) is responsible for maintaining and replenishing the basin. Natural replenishment of the basin's groundwater supply occurs through the underflow from the Central Groundwater Basin and limited local precipitation. Artificial replenishment of the basin, which is the responsibility of the WRD, occurs through a mix of imported and recycled water. Groundwater recharge through surface spreading occurs at the following locations: Montebello Forebay Spreading Grounds adjacent to Rio Hondo and the San Gabriel River, within the unlined portion of the San Gabriel River, and behind the Whittier Narrows Dam in the Whittier Narrows Reservoir.[26]

The Project would not install any groundwater wells and would connect to the existing municipal water system. In addition, there are no aquifer conditions or recharge features at the Project site or in the surrounding area that could be affected by excavation or development of the Project. Stormwater that percolates into the substrate in the Project area remains in the upper layers of soil. The Project's addition of dry wells for stormwater capture would allow stormwater to percolate into the soil. Therefore, the Project would not impede percolation of stormwater into the underlying substrate and impacts would be less than significant and no mitigation would be required.

10.d) According to the California Geological Survey Los Angeles County Tsunami Inundation Maps, the Project site is not located within a tsunami inundation area.[27] There are no bodies of water located on or near the Project site, therefore, inundation caused by a seiche would not occur. Thus, there would be no impact.

10.e) As discussed in the response to 10.a, the Project is designed to be consistent with the LA Basin Plan, Statewide NPDES General Construction Permit and Municipal Code/LA County LID Standards for water quality control, for both construction and site improvements. As mentioned above, the West Basin MWD's 2020 UWMP states that the 2020 water supply consists of: 15 percent groundwater; 75 percent imported water; 11

25 West Basin Municipal Water District, *2015 Urban Water Management Plan*.
26 Water Replenishment District. 2020. Regional Groundwater Monitoring Report: Water Year 2018-2019, Central and West Coast Basins, Los Angeles County, California.
27 California Emergency Management Agency, 2009. *Tsunami Inundation Map for Emergency Planning, Venice Quadrangle.*

percent recycled water; and less than 1 percent desalinated water.[28] The groundwater supply that serves El Segundo is extracted from the West Coast Groundwater Basin. The WRD is responsible for maintaining and replenishing the basin. Natural replenishment of the basin's groundwater supply occurs through the underflow from the Central Groundwater Basin and limited local precipitation. Artificial replenishment of the basin, which is the responsibility of the WRD, occurs through a mix of imported and recycled water at the Montebello Forebay Spreading Grounds, within the unlined portion of the San Gabriel River, and behind the Whittier Narrows Dam in the Whittier Narrows Reservoir.[29]

Because the Project would not affect any of the regional groundwater management measures noted above, and because it would not involve the use, disposal, or storage of hazardous chemicals that could impact groundwater quality, the proposed Project would have a less than significant impact on the WRD's groundwater management and replenishment activities.

28 West Basin Municipal Water District. 2016. *2015 Urban Water Management Plan*.
29 Water Replenishment District, 2020. *Regional Groundwater Monitoring Report: Water Year 2018-2019, Central and West Coast Basins, Los Angeles County, California*.

11. LAND USE AND PLANNING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Physically divide an established community?	☐	☐	☐	☒
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Explanation of Checklist Responses

11.a) The Project site is developed with existing office uses and a parking structure, and the proposed Project would continue these uses. The Project site is bordered by office, hotel, and restaurant land uses, within a developed area of the City, with fully developed urban infrastructure systems in place, including major arterial and local streets, water, sewer, storm drainage, and energy distribution facilities. The nearest residence and residential community is located at the multifamily homes at the northwest corner of Holly Avenue and Indiana Street that are located as near as 1,150 feet northwest of the Project site (refer to Figure 3). The Project site is not located within or directly adjacent to any residential areas, and all proposed improvements would occur within the limits of the Project site. Therefore, the Project would not physically divide an established community, and there would be no impact.

11.b) The City of El Segundo's General Plan and Zoning Ordinance govern the land use of the Project site and surroundings; there are no other governmental authorities with land use control over this project. Development of the proposed Project would not conflict with any plans, policies, or regulations of the City that are intended to avoid or mitigate an environmental effect. No changes are proposed to the existing Corporate Office General Plan land use designation and Corporate Office zoning designation of the Project property. As such, the Project would have no impact involving a conflict with local or regional land use plans, policies, programs, or regulations.

12. MINERAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Explanation of Checklist Responses

12.a) As described in the General Plan Conservation Element, the City has been associated with petroleum resource development dating back to its founding in 1911. The City is partially underlain by the El Segundo Oil Field, where over 14 million barrels of oil and condensate were produced locally between 1935 and 1992, although production steadily declined from 1967. The Project site is located within the El Segundo Oil Field, which is located on the south side of Mariposa Avenue, as delineated by the California Department of Conservation, Geologic Energy Management Division (CalGEM).[30] The nearest oil well to the Project site is located directly west of the project site located at 222 N. Sepulveda Boulevard; however, this well has been categorized as a dry well, and has been plugged and abandoned, as reported by the California Department of Conservation.[31] No other types of mineral resources are identified on or near the Project site in the City's General Plan. As a result, the Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Thus, no impact would occur.

12.b) According to the City's General Plan, there are no designated Mineral Resources Zones in El Segundo. Further, the General Plan does not identify the Project site as an important mineral resource recovery site. Thus, no impact would occur.

30 California Department of Conservation, 2020. Accessed online at: https://conservation.ca.gov/doggr/wellfinder/#openModal.
31 California Department of Conservation, 2020. *Well Details, API: 0403707214, Gough, Well #7.*

13. NOISE

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, exposure of people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

The following analysis is based on information contained in the *Noise Impact Analysis for the 1950-1960 E Grand Avenue Project* prepared by Vista Environmental, dated March 22, 2022. This report, hereinafter referred to as the Noise Impact Analysis, is included as Appendix H of this IS/MND.

Noise Fundamentals

Noise is generally defined as unwanted sound, and sound becomes unwanted when it interferes with normal activities or when it causes actual physical harm, including adverse effects on health. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

Noise Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of ten decibels to sound levels at night between 10:00 p.m. and 7:00 a.m. While the Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has another addition of 4.77 decibels to sound levels during the evening hours between 7:00 p.m. and 10:00 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason, the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of El Segundo relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

Noise can be generated by a number of sources, including mobile sources, such as automobiles, trucks, and airplanes, and stationary sources, such as construction sites, machinery, and industrial operations. The rate depends on the ground surface and the number or type of objects between the noise source and the receiver. Mobile transportation sources, such as highways, and hard and flat surfaces, such as concrete or asphalt, have an attenuation rate of 3.0 dBA per doubling of distance. Soft surfaces, such as uneven or vegetated terrain, have an attenuation rate of about 4.5 dBA per doubling of distance from the source. Noise generated by stationary sources typically attenuates at a rate of approximately 6.0 to 7.5 dBA per doubling of distance from the source (EPA 1971). Construction noise levels are assumed to average 6 dBA of attenuation per doubling of distance from the source (FHWA 1978).

Human response to sound is highly individualized. Annoyance is the most common issue regarding community noise. The percentage of people claiming to be annoyed by noise generally increases with the environmental sound level. However, many factors also influence people's response to noise. The factors can include the character of the noise, the variability of the sound level, the presence of tones or impulses, and the time of day of the occurrence. Additionally, non-acoustical factors, such as the person's opinion of the noise source, the ability to adapt to the noise, the attitude toward the source and those associated with it, and the predictability of the noise, all influence people's response. As such, response to noise varies widely from one person to another, and with any particular noise, individual responses would range from "not annoyed" to "highly annoyed."

El Segundo Municipal Code

Based on the federal and state guidelines, the City established land use standards for noise, which are set forth in ESMC Title 7, Chapter 2, Noise and Vibration. The relevant sections of the chapter are presented below.

Section 7-2-4, Noise Standards. This section establishes the standard for commercial and industrial property as 8 dBA above the ambient noise level. The standard for residential property is 5 dBA above the ambient noise level.

Section 7-2-10, Exemptions. As cited in this section, the following activities are exempt from the provisions of this chapter:

D. Construction Noise: Noise sources associated with or vibration created by construction, repair, or remodeling of any real property, provided said activities do not take place between the hours of six o'clock (6:00) P.M. and seven o'clock (7:00) A.M. Monday through Saturday, or at any time on Sunday or a Federal holiday, and provided the noise level created by such activities does not exceed the noise standard of sixty five (65) dBA plus the limits specified in subsection 7-2-4C of this Chapter as measured on the receptor residential property line and provided any vibration created does not endanger the public health, welfare and safety.

For construction noise, a "substantial" noise increase can be defined as interference with activities during the day and night. One indicator that construction noise could interfere with daytime activities would be speech interference.

Nearest Sensitive Receptors and Existing Noise Conditions

The nearest sensitive receptors to the Project site are guests at the hotel located as near as 10 feet south of the Project site, and the nearest residences are the multifamily residents located

at the intersection of Holly Avenue and Indiana Street as near as 1,150 feet northwest of the Project site. To determine the existing noise levels, noise measurements have been taken in the vicinity of the Project site. The noise measurements were recorded between 11:50 AM on July 21, 2021 and 12:02 PM on July 22, 2021. It should be noted that the noise measurements were taken during the COVID-19 pandemic; therefore, the measured baseline ambient noise levels are lower and hence more conservative than during normal conditions due to reduced activity in the area. The results of the noise level measurements are presented in Table 13-1. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over 1-hour intervals. Table 13-1 also shows the L_{eq}, L_{max}, and CNEL, based on the entire measurement time.

Table 13-1. Existing (Ambient) Noise Level Measurements

Site No.	Measurement Location Description	Average (dBA L_{eq})		1-hr Average (dBA L_{eq}/Time)		Average (dBA CNEL)
		Daytime[1]	Nighttime[2]	Minimum	Maximum	
1	Located on a tree near the northwest corner of Project site, approximately 80 feet south of Grand Avenue centerline.	60.4	53.6	47.1 3:58 AM	64.3 7:30 PM	62.8
2	Located on a tree near the northwest corner of Project site, approximately 80 feet south of Grand Avenue centerline.	55.0	51.0	49.5 3:28 AM	62.2 8:23 AM	58.5
3	Located on a tree approximately 5 feet north of the south property line, near the middle of the Project site.	54.2	51.2	49.0 2:34 AM	57.4 5:31 PM	58.5

Notes:
[1] Daytime is defined as 7:00 a.m. to 10:00 p.m. (Section 7-2-8(A) of the Municipal Code)
[2] Nighttime defined as 10:00 p.m. to 7:00 a.m. (Section 7-2-8(A) of the Municipal Code)
Source: Noise Report, see Appendix H.

Explanation of Checklist Responses

13.a) The following sections evaluate the noise sources and levels associated with the temporary construction activities and long-term operations of the proposed Project and compares the noise levels to the City standards.

Short-Term Construction Impacts

The noise impacts from the Project construction have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). Construction activities are anticipated to include site preparation, consisting of removal and rough grading of the existing surface parking lot, grading and foundation construction, office building and parking structure construction, application of architectural coatings, and paving and site improvements. Noise impacts from the Project construction activities would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities.

Section 7-2-10(D) of the City's Municipal Code exempts construction noise from the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m., except Sundays and Federal holidays and such activities do not exceed 65 dBA at the nearby residential properties.

Construction noise impacts to the nearby sensitive receptors have been calculated with the results summarized below in Table 13-2.

Table 13-2. Construction Noise Levels at the Nearby Sensitive Receptors

	Construction Noise Level (dBA Leq) at:	
Construction Phase	Hotel to South[1]	Nearest Homes to Northwest[2]
Site Preparation	72	58
Grading	71	57
Building Construction	72	58
Paving/Site Improvements	70	56
Architectural Coatings	59	45
Construction Noise Threshold[3]	85	65
Exceed Thresholds?	No	No

Notes:
1 The hotel to the south is located as near as 270 feet from the center of the Project site.
2 The nearest homes to the northwest are located as near as 1,375 feet from the center of the Project site.
3 The construction noise threshold for the hotel to south obtained from the FTA Manual and for the nearest homes obtained from Section 7-2-10(D) of the Municipal Code.
Source: Noise Report, see Appendix H.

Table 13-2 shows that greatest construction noise impacts would be as high as 72 dBA Leq during the Site Preparation and Building Construction phases at the hotel directly south of the Project site and 58 dBA at the nearest homes to the northwest of the Project site. Section 7-2-10(D) of the City's Municipal Code exempts construction noise from the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m., except Sundays and Federal holidays and such activities do not exceed 65 dBA at the nearby residential properties. Since the City's construction noise standards do not provide any noise standards for impacts to the nearby commercial uses, that include the hotel to the south, the construction noise threshold of 85 dBA Leq for commercial uses from the FTA Manual, has been utilized in order to provide a conservative analysis. All calculated construction noise levels shown in Table 13-2 are within the construction noise standards of 85 dBA and 65 dBA, respectively. Therefore, through adherence to the limitation of allowable construction times provided in Section 7-2-10(D) of the Municipal Code, construction-related noise levels would not exceed any standards established in the General Plan or Noise Ordinance nor would construction activities create a substantial temporary increase in ambient noise levels from construction of the proposed Project. Impacts would be less than significant and mitigation measures are not required.

Operational Noise Sources

Potential noise impacts associated with the operations of the proposed Project would be from Project-generated vehicular traffic on the nearby roadways and from on-site activities, which have been analyzed separately below.

Roadway Traffic Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed Project does not involve any uses that would require a substantial number of truck trips and the proposed Project would not alter the speed limit on any existing roadway; therefore, the proposed Project's potential off-site noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur.

Since neither the General Plan nor the CEQA Guidelines define what constitutes a "substantial permanent increase to ambient noise levels," this impact analysis has

utilized guidance from the Federal Transit Administration for a moderate impact that shows that the Project contribution to the noise environment can range between 0 and 7 dB, which is dependent on the existing noise levels, as shown in Table 13-3.

Table 13-3. FTA Project Effects on Cumulative Noise Exposure

Existing Noise Exposure (dBA Leq or Ldn)	Allowable Noise Impact Exposure dBA Leq or Ldn		
	Project Only	Combined	Noise Exposure Increase
45	51	52	+7
50	53	55	+5
55	55	58	+3
60	57	62	+2
65	60	66	+1
70	64	71	+1
75	65	75	0

Source: Noise Report, see Appendix H.

The potential off-site traffic noise impacts created by the ongoing operations of the proposed Project have been analyzed through utilization of the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108 (FHWA Model). The proposed Project's potential off-site traffic noise impacts have been analyzed for the existing year and opening year 2024 conditions, which are discussed below.

Existing Year Conditions

The proposed Project's potential off-site roadway noise impacts have been calculated through a comparison of the existing scenario to the existing with Project scenario. The results of this comparison are shown in Table 13-4.

Table 13-4. Project Traffic Noise Contributions for Existing Year Conditions

		dBA CNEL at Nearest Receptor[1]				
Roadway	Segment	Existing	Existing Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.1	60.1	0.0	+2 dBA	No
Pacific Coast Highway	South of El Segundo Blvd	60.8	60.8	0.0	+2 dBA	No
Nash Street	North of Grand Avenue	57.7	57.7	0.0	+3 dBA	No
Nash Street	South of Grand Avenue	53.8	53.9	0.1	+5 dBA	No
Grand Avenue	West of Pacific Coast Hwy	67.3	67.3	0.0	+1 dBA	No
Grand Avenue	West of Continental Blvd	61.4	61.6	0.2	+2 dBA	No
El Segundo Boulevard	East of Continental Blvd	61.8	61.8	0.0	+2 dBA	No
El Segundo Boulevard	East of Nash Street	68.3	68.3	0.0	+1 dBA	No

Notes:
1 Distance to nearest residential use does not take into account existing noise barriers.
2 Increase Threshold obtained from the FTA's allowable noise impact exposures.
Source: Noise Report, see Appendix H.

Table 13-4 shows that for the existing conditions, the proposed Project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed Project would not result in a substantial permanent increase in ambient noise levels for the existing year conditions. Impacts would be less than significant and no mitigation measures are required.

Opening Year 2024 Conditions

The proposed Project's potential off-site roadway noise impacts have been calculated through a comparison of the opening year 2024 scenario to the opening year 2024 with Project scenario. The results of this comparison are shown in Table 13-5.

Table 13-5. Project Traffic Noise Contributions for Opening Year 2024 Conditions

		dBA CNEL at Nearest Receptor[1]				
Roadway	Segment	Year 2024	Year 2024 Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.7	60.7	0.0	+2 dBA	No
Pacific Coast Highway	South of El Segundo Blvd	61.2	61.2	0.0	+2 dBA	No
Nash Street	North of Grand Avenue	57.9	58.0	0.1	+3 dBA	No
Nash Street	South of Grand Avenue	54.0	54.0	0.0	+5 dBA	No
Grand Avenue	West of Pacific Coast Hwy	68.7	68.7	0.0	+1 dBA	No
Grand Avenue	West of Continental Blvd	62.0	62.2	0.2	+2 dBA	No
El Segundo Boulevard	East of Continental Blvd	62.7	62.8	0.1	+2 dBA	No
El Segundo Boulevard	East of Nash Street	69.1	69.2	0.1	+1 dBA	No

Notes:
1 Distance to nearest residential use does not take into account existing noise barriers.
2 Increase Threshold obtained from the FTA's allowable noise impact exposures.
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table 13-5 shows that for the opening year 2024 conditions, the proposed Project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed Project would not result in a substantial permanent increase in ambient noise levels for the opening year 2024 conditions. Impacts would be less than significant and no mitigation measures are required.

On-site Noise Sources

Project operations may create an increase in on-site noise levels from noise impacts from rooftop mechanical equipment, parking lots, and delivery trucks. While the exact size of the backup generator has not yet been determined, based on similar building projects of comparable to the size of this Project, this analysis assumes a 250 kW 389 horsepower backup generator for these power requirements. As such, this analysis has analyzed the emissions created from a 250 kW 389 horsepower diesel-powered backup generator. Section 7-2-4(A) of the City's Municipal Code limits the noise created on the Project site at the nearby residential properties to the ambient noise level plus 5 dBA and Section 7-2-4(B) of the City's Municipal Code limits the noise created on the Project site at the nearby commercial and industrial properties to the ambient noise level plus 8 dBA. As mentioned previously, the nearest sensitive receptors to the Project site are the guests at the hotel located as near as 10 feet south of the Project site, and the nearest residences are the homes to the northwest that are located as near as 1,150 feet from the Project site.

In order to determine the noise impacts from the operation of rooftop mechanical equipment, parking lots, emergency backup generator, and delivery trucks, reference noise measurements for each noise source are shown in Table 13-6, and the noise levels from each source were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver.

Table 13-6. Operational Noise Levels at Nearby Land Uses

	Reference Measurements		Hotel to South		Nearest Homes to Northwest	
Noise Source	Distance - Source to Receptor (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Hotel (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)
Rooftop Equipment[2]	10	66.6	360	21	1,200	8
Parking Lot	5	63.1	20	48	1,150	4
Truck Delivery	30	54.3	470	25	1,150	15
Backup Generator	27	74	430	44	1,350	32
Combined Noise Levels				49		32
Ambient Noise Levels (day/night)				54/51		60/54
City Noise Standard[2] (day/night)				62/59		65/59
Exceed City Noise Standard?				No/No		No/No

Notes:
1 The noise levels were calculated through use of soft site geometric spreading of noise from a point source with a drop-off rate of 7.5 dB for each doubling of the distance between the source and receiver. Does not account for noise reduction features such as buildings and walls.
2 City Noise Standards based on ambient noise level shown previously plus 5 dB at the residential uses and plus 8 dB for the commercial uses.

Table 13-6 shows that the proposed Project's on-site operational noise from the anticipated on-site noise sources would not exceed the applicable noise standards at the hotel to the south or nearest residential homes located 1,150 feet to the northwest of the Project site. Therefore, operational on-site noise impacts would be less than significant and no mitigation measures are required.

13.b) Project construction can generate varying degrees of groundborne vibration, depending on the construction procedure and the equipment used. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The types of construction vibration impact include human annoyance and building/property damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between the vibration source and the receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment.

The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed Project.

Construction-Related Vibration Impacts

The Project construction activities are anticipated to include site preparation, grading, building and parking structure construction, application of architectural coatings, and paving and site improvements. Vibration impacts from construction activities would typically be created from the operation of heavy off-road equipment. The nearest off-site structure where people may sit, which makes them much more susceptible to vibration, would be the commercial office uses, located adjacent to the Project site to both the east and west.

Section 7-2-9 of the City's Municipal Code restricts the creation of vibration which is perceptible without the use of instruments to any reasonable person on normal sensitivity. However, since neither the Municipal Code nor the General Plan provides a quantifiable vibration threshold level, Caltrans guidance has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second PPV.

The primary source of vibration during construction would be from the operation of a bulldozer, which was selected from the applicant's equipment list as the equipment generating the highest vibration levels. A large bulldozer would create a vibration level of 0.089 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest adjacent structures (20 feet away) would be 0.11 inch per second PPV. The vibration level at the nearest off-site structure where people likely sit, would be below the 0.25 inch per second PPV threshold detailed above. Impacts would be less than significant and no mitigation measures are required.

Operations-Related Vibration Impacts

Operation of the Project is expected to require delivery trucks to the Project site, which are a known source of vibration. Project-related delivery trucks activities would be located on the northwestern portion of the Project site, where there are no vibration sensitive land uses located in the nearby proximity of where the delivery trucks would operate. As such, operations-related vibration impacts would be less than significant.

13.c) The proposed Project would not expose people residing or working in the Project area to excessive noise levels from aircraft. The nearest airport is Los Angeles International Airport that is located approximately 1 mile north of the Project site, however it should be noted that the Airport's runways run in a generally east-west direction and the Project site is located roughly perpendicular to the length of the Airport runways, so take-offs and landings do not occur over the Project site. As detailed in *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report*[32] the Project site is located outside of the 65 dBA CNEL noise contours of Los Angeles International Airport. Therefore, aircraft noise impacts would be less than significant and no mitigation measures are required.

32 Los Angeles International Airport. 2019. *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report.*

14. POPULATION AND HOUSING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Explanation of Checklist Responses

14.a) As discussed in the responses to the Land Use and Planning thresholds in Section 11, the proposed Project is consistent with the City of El Segundo General Plan land use policies, which designate the Project site for office uses. No housing units would be developed as part of the Project, and no new or expanded urban infrastructure would be constructed that could foster increased development intensity on-site or at surrounding properties. Similar to other construction projects in the region, the Project construction workers are expected to be drawn from the large, available regional labor force, who would commute to the Project site during the construction stages. The Project would provide an additional 93,559 net square feet of office space for an estimated maximum of 325 employees. To be conservative, this analysis uses the 2019 CBC Table 1004.5 for occupant load, which calculates the maximum total occupants for office use at a ratio of 1 person/150 square feet. Based on the CBC office use ratio, the Project is calculated to provide office space for up to an additional 624 people.

Based on the Project vehicle miles traveled (VMT) of 19.3 miles, which represents the average distance each employee would travel in an automobile to the Project site, as analyzed in Section 17, Transportation, it is anticipated that the majority of workers employed at the Project would commute to rather than relocate to the Project area, Additionally, the Project's close proximity to the Metro Station (approximately 0.5 mile to the northeast at Mariposa Avenue and Nash Street) would also facilitate commuters using public transit. Further, based on the State of California Employment Development Department Labor Force data, the unemployment rate in El Segundo was 6.6 percent in December 2021, which is 0.4 percentage point higher than the overall county unemployment rate of 6.2 percent (EDD 2022). Based on this data, it is also possible that the Project would provide employment opportunities to the local inhabitants in El Segundo in a variety of occupations, including maintaining or being employed at the offices in the Project.

To be conservative and assume that up to 5 percent, or approximately 32 of the additional future employees relocate to El Segundo, it is expected that based on the number of available or vacant housing units, which was 325 units in 2020 (U.S. Census 2020, the existing housing would sufficiently accommodate the estimated number of future employees who would relocate to El Segundo and require 9.8 percent of the vacant housing. This Project does not, therefore, represent unplanned growth.

Therefore, the Project would result in a less than significant impact to directly or indirectly induce unplanned population growth in the City.

14.b) There is no existing housing on the Project site, which is currently zoned and in use for Corporate Office. Construction and renovation of the proposed buildings, therefore, would not displace any people or housing. Thus, the Project would not necessitate the construction of replacement housing elsewhere and there would be no impact.

15. PUBLIC SERVICES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☒	☐
iv) Parks?	☐	☐	☒	☐
v) Other public facilities?	☐	☐	☒	☐

Explanation of Checklist Responses

15.a.i) The El Segundo Fire Department (ESFD) provides fire protection and emergency medical services to the Project area. The ESFD maintains 14 firefighters on duty 24 hours a day, 7 days a week. The City is divided into two districts for fire response, with Pacific Coast Highway as the dividing line. Station 1 responds to calls west of Pacific Coast Highway and Station 2 responds to calls east of Pacific Coast Highway. Depending on the nature of the emergency request, units may cross over into the other district and coordinate resources to assist in response activities.[33] The Project site is located within Station 2's fire response district. Station 2 is located at 2261 E. Mariposa Avenue, approximately 0.5 mile from the Project site, and includes one fire engine, one fire truck, and one paramedic unit. Station 1 (headquarters at the Civic Center Complex) is located at 314 Main Street, approximately 1.2 miles from the Project site.

The Project would result in increased square footage of commercial office space and an increase in the number of employees on the Project site as compared with current conditions; however, the Project would not create any new uses that could not be served by existing ESFD equipment and personnel. Additionally, the Project construction designs for both the office building and parking structure would be required to comply with ESMC fire protection requirements to reduce fire hazards associated with the buildings. The ESFD has review and approval authority over building plans in subsequent phases of construction design to ensure adherence with fire department regulations and requirements. Additionally, ESMC Title 15, Chapter 27A, Section 15-27A-2, establishes the City's ability to impose development impact fees, which requires new development projects to pay their fair share of cost to offset a project's impact on

33 City of El Segundo, Fire Department, *Suppression Frequently Asked Questions.*

public services, including fire suppression facilities, law enforcement facilities, and libraries. Resolution No. 4687 establishes the City's development impact fee rates for police, fire, library, and park facilities. The amount of each impact fee is generally calculated based on the gross square footage of nonresidential development or other appropriate methodology which ensures that the fee is roughly proportional to the impacts of new development on public facilities. As such, the Project is not anticipated to affect fire protection demands to the extent that new or physically altered fire facilities would be required. Impacts on fire protection serves are anticipated to be less than significant and no mitigation measures are required.

15.a.ii) The El Segundo Police Department (ESPD) provides police protection in the City. The Department's headquarters are located at 348 Main Street at the Civic Center Complex, approximately 1.2 miles west of the Project site. The City is divided into two geographic areas bisected by Pacific Coast Highway. The area west of Pacific Coast Highway is designated the West Command and the area east of Pacific Coast Highway is designated the East Command. The Project site is located within the East Command. The ESPD is staffed by a total of approximately 62 sworn officers, 20 administrative personnel, and volunteers.[34] The Project does not involve housing development or growth-inducing effects, as discussed in Section 14, that would increase service population demands for law enforcement.

The Project would increase the number of employees on the Project site through the construction of a new, 5-level office building. Because the Project site already contains an office building, and the Project site is surrounded by commercial office uses, the Project would not create a unique land use that would result in new or expanded sources of crime. Further, the ESPD is involved in the City's review of new development plans and provides specific recommendations to improve safety and security and the ability to respond to law enforcement incidents through various project design features. Examples of such recommendations typically pertain to lighting; landscaping; monitoring and surveillance devices; address signs; doors and hardware; etc. Additionally, as mentioned above, the Project would be assessed development impact fees, which represent a project's fair share costs to the City for public services and facilities, including law enforcement. Thus, the Project is not expected to substantially affect police protection needs or service ratios and would not result in the need for new or physically altered police facilities. As such, impacts would be less than significant and no mitigation measures are required.

15.a.iii) The Project site is located within the Wiseburn Unified School District and Centinela Valley Union High School District boundaries. Wiseburn Unified School District provides transitional kindergarten, elementary, and middle school public education services in El Segundo, as well as the DaVinci charter high school. The School District is comprised of three elementary schools (Juan Cabrillo Elementary, Juan De Anza Elementary, and Peter Burnett Elementary), one middle school (Richard Henry Dana Middle School), and one middle school-high school (Success Learning Center). Centinela Valley Union High School District is comprised of five high schools: Hawthorne High School, Lawndale High School, Leuzinger High School, Lloyde High School, and Centinela Valley Independent Study School. The school and enrollment data for both districts are presented in Table 15-1.

34 City of El Segundo. 2021. *Adopted Operating & Capital Improvement Budget, Fiscal Year 2020-2021*.

Table 15-1. Wiseburn School District School and Centinela Valley Union High School District Enrollment Data (2020-2021)

School	Grades	Total Enrollment (2020-2021)
Wiseburn School District		
Juan Cabrillo Elementary	K-2	469
Juan De Anza Elementary	K-5	583
138th School	3-5	444
Richard Henry Dana Middle School	6-8	978
Success Learning Center	6-12	23
Centinela Valley Union High School District		
Hawthorne High School	9-12	1,797
Lawndale High School	9-12	2,077
Leuzinger High School	9-12	1,867
Lloyde High School	10-12	282
Centinela Valley Independent Study School	9-12	23

Source: California Department of Education, 2020-2021 School Accountability Report Card (2020-2021 SARC), https://www.cde.ca.gov/ta/ac/sa/.

The Project would construct a 5-story office building and a 258-space parking structure. As such, the Project would result in the increase of the total number of employees by approximately 624 on the Project site as compared with current conditions. While most future employees are expected to commute, rather than relocate, to El Segundo, based on a conservative assumption that 5 percent or 32 of the future employees would move to El Segundo, these future employees may have children who would attend school at the Wiseburn School District, Centinela Valley School District, or neighboring El Segundo Unified School District facilities. Based on the current school district status, it is expected that the schools may accommodate additional students from the 32 future employees. Further, the Project would be subjected to levied developer fees applicable to both new construction and reconstruction projects, pursuant to Education Code Section 17620, to support school facilities. Because there are no residential units associated with the Project and the Project would result in insignificant growth-inducing effects as mentioned in Section 14, the Project would not have a direct impact on school facilities. As such, the Project would result in a less than significant impact to public school facilities and no mitigation would be required.

15.a.iv) The Project does not involve residential development or other effects to increase housing growth, and, with a conservatively assumed additional 32 employees who would relocate to El Segundo, would not significantly increase demands for park facilities. As such, the Project would not affect the City's parkland to population ratio, which is set forth at 5 acres per 1,000 population, based on the El Segundo General Plan Open Space and Recreation Element. The City maintains a park and recreation inventory totaling approximately 91 acres (LAWA 2019). Based on the U.S. Census population estimate of 16,610 inhabitants in 2019, the City's parkland to population ratio is 5.5 acres per 1,000 population, exceeds the General Plan parkland performance standard. Additional park users resulting from the estimated 32 relocated employees are expected to be accommodated without exceeding the 5 acres to1,000 population parkland to population ratio. While the Project would increase the number of employees on the site as compared with existing conditions, the proposed Project design also provides an enhanced outdoor plaza area for employee use. The plaza would be centrally located among the office buildings and parking structures, and would be designed with wood seating and landscaping, including 74 trees of varying species, and a variety of native and climate-adapted shrubs and groundcovers. The plaza would provide employees with a means to spend time in a beautified outdoor setting with shading and seating amenities and would be expected to decrease the

demand that employees would have on neighborhood or regional parks. As a result, the Project would result in a less than significant impact and no mitigation would be required.

15.a.v) The El Segundo Public Library is located at 111 West Mariposa Avenue, approximately 1.4 miles west of the Project site, and provides library services to the City. Outdoor gathering places and public amenities, such as those provided by the Joslyn Center Senior Center and the George E. Gordon Clubhouse, are located approximately 1 mile west of the Project site. As stated above, the Project would not involve residential development or significant growth-inducing effects that have the potential to increase the demand for other public services, such as libraries and community centers, to the extent where new or physically altered facilities would be required. As such, the Project would result in a less than significant impact to other municipal facilities and no mitigation would be required.

16. RECREATION

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Explanation of Checklist Responses

16.a) The existing Project site has been developed since 1987 with the western half used for surface and parking structure parking, while the northeastern portion has been used for corporate offices. The nearest recreational facility is the Raytheon Employee Park, approximately 620 feet south of the Project site, located on the southeast corner of the intersection of the Pacific Coast Highway and El Segundo Boulevard. This park, which is a private park, is separated from the Project site by El Segundo Boulevard and hotel uses. The nearest public park, Freedom Park, is approximately 1,500 feet northwest of the Project site, located north of Holly Avenue and east of Illinois Street. This park is separated from the Project site by Pacific Coast Highway, office, and other commercial uses. As stated above, construction of the new office building and parking structure would not involve residential development; thus, it would not generate a direct demand on recreational facilities. Further, the Project would provide employees of on-site office uses with outdoor seating areas and a plaza, thus continuing to provide passive outdoor amenity uses onsite and decreasing the demand that employees might have on neighborhood or regional parks, such as Freedom Park. Therefore, the proposed Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. Impacts in this regard would be less than significant.

16.b) As stated above, the Project is not anticipated to substantially increase the demand on municipal parks and recreation facilities in the City, thus requiring construction or expansion of recreational facilities. The Project itself would include a central plaza surrounded by the two parking structures and two office buildings, and the plaza would be enhanced with decorative landscaping and multiple seating areas for use by employees on the site. Environmental impacts associated with the construction of the Project's outdoor gathering spaces are included in the Project analysis throughout this Initial Study. Therefore, there would be no additional impacts associated with constructing these outdoor recreation amenities beyond those already discussed in this Initial Study. As such, the Project would result in no impacts.

17. TRANSPORTATION

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☒	☐	☐
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

Explanation of Checklist Responses

The discussion and analysis in this section are based on the Transportation Impact Analysis (TIA) for the proposed Project prepared by Fehr & Peers (April 2022; see Appendix I).

17.a) The Project is proposed at an existing developed site in the urban portion of El Segundo near Pacific Coast Highway (PCH) and along Grand Avenue that is well-served by public transit systems. The Project site is located within in a Transit Priority Area (TPA).[35] Specifically, the Project site is located within 0.5 miles of an existing major transit stop, less than 0.5 miles from the Los Angeles County Metropolitan Transportation Authority (Metro) C Line El Segundo and Mariposa Stations. The Metro C (Green) Line is a light rail line running between Redondo Beach and Norwalk in Los Angeles County that operates on a scheduled 12-minute frequency in both the a.m. and p.m. frequency in both the a.m. and p.m. peak periods during weekdays. Additional transit lines in the vicinity of the Project site include: Metro Line 232, which provides local service between the City of El Segundo and downtown Long Beach, runs along PCH east of the Project site in the study area and provides a bus stop on Grand Avenue/Continental Blvd in the westbound direction; LADOT Commuter Express 574, which provides express service from Encino to the City of Hawthorne along PCH and El Segundo Boulevard, east and south of the Project site, and provides the most direct connection to the Project site, providing a bus stop in both directions on Grand Avenue near Continental Blvd; Torrance Transit Line 7, which provides service between the City of Torrance and Los Angeles International Airport (LAX), and runs along Nash Street to the east of the Project site; Beach Cities Line 109, which provides local service between the City of Redondo Beach and LAX and runs west of the Project site along PCH; El Segundo Lunchtime Shuttle, which connects El Segundo's business areas westward to Downtown El Segundo and passes along Grand Avenue directly in front of the Project site, however, service is

35 SCAG defines Transit Priority Areas (TPAs) as Priority Growth Areas that are within one half mile of existing or planned 'major' transit stops in the region. A 'major' transit stop is defined as a site containing an existing or planned rail or bus rapid transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. Although TPAs comprise less than 1 percent of Southern California's land area, around 30 percent of new households are projected to occur within these transit rich areas.

currently suspended due to the COVID-19 pandemic; and Metro Micro LAX/Inglewood Zone, which is a rideshare service provided by 10-passenger vans and are hailed using the Metro Micro App meant to replace some local bus service for short trips and provide easier connections to other bus and rail service and serves the entire Project study area.

The Project would not conflict with a program or plan addressing the circulation system, which include the City of El Segundo General Plan Circulation Element (September 2004), the ESMC, and the SCAG Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). The City of El Segundo General Plan Circulation Element (September 2004) guides development to provide a safe, convenient, and efficient circulation system, while providing a means to respond to anticipated growth. SCAG adopted the 2020–2045 RTP/SCS in September 2020. The purpose of the RTP/SCS is to plan and balance the region's future mobility and housing needs with economic, environmental and public health goals.

As discussed above, the Project involves the construction of a new 5-story commercial office building, a new 23-space surface parking lot at 1950 East Grand Avenue, and a 4-level, 258-space parking structure at 1960 East Grand Avenue. The new office building would replace surface parking spaces in the northwestern portion of the Project Site and provide additional areas of employment in close proximity to public transit systems. The new surface parking lot would be located directly east of the existing parking structure also at the rear of the parcel, behind the new office building. The new parking structure would be constructed south of the existing office building on the other parcel at 1960 East Grand Avenue and would replace a landscaped, passive open space area. As no new curb cuts would be required for the Project, bicycle and pedestrian access to the Project site would not be affected, and existing bicycle access to the Project site would remain via Grand Avenue. The Project would provide a minimum of 56 bicycle spaces in compliance with the ESMC and CalGreen Code and a total of 1,103 vehicle parking spaces (existing and proposed), which exceeds code requirements by 226 additional spaces (877 parking spaces required for the two parcels combined). In addition, as detailed under Threshold 17b, the Project would develop and implement a transportation demand management (TDM) program as mitigation to reduce the trip generation and VMT impacts of the Project. The Project's TDM program would be implemented for the entire Project site, including the existing building's tenants and employees. The TDM program would discourage single-occupancy vehicle trips and encourage alternative modes of transportation. Specifically, the proposed TDM program would include, but not be limited to, strategies such as separate pricings for workplace parking; transit subsidies for employees; commuter program marketing and incentives; providing amenities for biking and walking; and rideshare incentives. Therefore, the Project would be consistent with the Circulation Element and the ESMC, and the Project would not conflict with applicable programs, plans, ordinances, or policies addressing the circulation system. Project impacts related to Threshold 17.a would be less than significant.

While not required for CEQA analysis a Level of Service (LOS) analysis is required to ensure compliance with General Plan Policy C3-1.2. The following provides the Project level of service (LOS) findings, which is included for informational purposes only. Compliance with General Plan Policy C3-1.2 prescribes that the minimum acceptable LOS at an intersection is LOS D, and that projects not consistent with the policy would: 1) forecast to result in an intersection LOS change from LOS D or better to LOS E or F; or forecast to result in the increase of intersection volume/capacity ratio (V/C) of 0.02 or greater at any intersection that is forecast to operate at LOS E or F. Project area traffic

conditions for existing and future conditions are based on pre-pandemic historic traffic counts, which reflect a conservative and higher traffic estimate than current conditions. Results of the analysis are presented in Table 17-1. As shown, under future (2024) conditions without the Project, of the six signalized intersections analyzed, two intersections, Pacific Coast Highway & Grand Avenue and Pacific Coast Highway & El Segundo Boulevard, operate at LOS F during the PM peak period and the latter Pacific Coast Highway & El Segundo Boulevard also operates at LOS E during the AM peak period. Under future plus Project conditions, the Project is anticipated to contribute a V/C greater than 0.02 at two intersections, Pacific Coast Highway & Grand Avenue and Continental Boulevard & Grand Avenue, during the AM peak periods. However, since both intersections operate at LOS D and better during those periods, the Project would comply with Genergl Plan Policy C3-1.2.

Table 17-1. Future and Future Plus Project Intersection Level of Service

No.	Intersection	Peak Period	Future (2024) V/C	Future (2024) LOS	Future + Project V/C	Future + Project LOS	V/C Increase
1	Pacific Coast Highway & Grand Avenue	AM	0.864	D	0.892	D	0.028
		PM	1.091	F	1.102	F	0.011
2	Continental Boulevard & Grand Avenue	AM	0.572	A	0.599	A	0.027
		PM	0.445	A	0.460	A	0.015
3	N Nash Street & Grand Avenue	AM	0.611	B	0.629	B	0.018
		PM	0.604	B	0.616	B	0.012
4	Pacific Coast Highway & El Segundo Boulevard	AM	0.977	E	0.986	E	0.009
		PM	1.096	F	1.101	F	0.005
5	Continental Boulevard & El Segundo Boulevard	AM	0.577	A	0.587	A	0.010
		PM	0.619	B	0.628	B	0.009
6	N Nash Street & El Segundo Boulevard	AM	0.669	B	0.677	B	0.008
		PM	0.752	C	0.762	C	0.010

Note: Project area existing traffic are based on pre-pandemic traffic conditions, which reflect a higher traffic load than current conditions.

The two Project driveways on Grand Avenue, which are considered unsignalized intersections, were assessed for average seconds per vehicle delay. Results of the analysis of the Project driveway LOS are presented in Table 17-2. As shown, with the addition of Project traffic, both driveways are projected to operate at acceptable levels.

Table 17-2. Project Driveway Level of Service

Driveway	Peak Period	Future + Project Delay (sec)	Future + Project LOS
West Driveway & Grand Avenue	AM	11.4	B
	PM	15.5	C
East Driveway & Grand Avenue	AM	13.1	B
	PM	34.2	D

17.b) Regulatory Background. On September 27, 2013, the Governor signed SB 743 (Chapter 386, Statutes of 2013) into law. SB 743, in part, amended Section 21099 of the Public Resources Code to direct the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the Secretary of the Natural Resources Agency for certification and adoption proposed revisions to the CEQA Guidelines establishing criteria for determining the significance of transportation impacts of projects both within

and outside transit priority areas.[36] Effective December 28, 2018, Section 15064.3 ("Determining the Significance of Transportation Impacts") was added to the CEQA Guidelines, and the State CEQA Guidelines, Section 15064.3 to establishing vehicles miles traveled (VMT) as the new most appropriate measure of transportation impacts metric.[37] VMT refers to the amount and distance of automobile travel attributable to a project. Subparagraph (b)(1) of section 15064.3 sets forth the criteria for analyzing the transportation impacts associated with land use projects. That section provides, in its entirety:

> (1) Land Use Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

Analysis. The proposed Project is located within one-half mile of Metro C (Green) Line El Segundo and Mariposa Stations, existing major transit stops. Therefore, the Project may be presumed to cause a less than significant transportation impact pursuant to Section 15064.3(b)(1) of the CEQA Guidelines. Accordingly, the Project would not conflict with or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b).

Although Section 15064.3, subdivision (b) allows the City to presume the project would cause less than significant transportation impacts due to its close proximity to existing major transit stops, the City nevertheless retained Fehr & Peers, a transportation consulting firm, to prepare a transportation impact analysis (TIA) for the Project. Based on the SCAG model, the existing regional daily work VMT per employee for office land uses is 18.6 per employee. Based on the TIA, the Project would generate an estimated 19.3 daily work VMT per employee.

Pursuant to CEQA Guideline Section 15064.3, subd. (b), "projects that decrease vehicle miles traveled in the Project area compared to existing conditions should be presumed to have a less than significant transportation impact." The estimated projected VMT of 19.3 would have to be reduced by 0.8 daily work VMT per employee, or approximately 4.1 percent in order to be below the existing VMT condition (18.6) in the Project area. In terms of commute trip reduction, this would be equivalent to 40 daily trips (4.1 percent of 976 daily trips estimated for the Project).

Based on the TIA, the Project would generate an estimated 19.3 daily work VMT per employee, which would be greater than the threshold of 18.6. As such, Project impacts related to VMT would be considered significant.

36 A "transit priority area" is defined as "an area within one-half mile of a major transit stop that is existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program adopted pursuant to Section 450.216 or 450.322 of Title 23 of the Code of Federal Regulations." (Pub. Res. Code § 21099, subd. (a)(7). A "major transit stop" is defined as "a site containing an existing rail station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." (Pub. Res. Code § 21064.3.)

37 VMT refers to the amount and distance of automobile travel attributable to a project.

With the implementation of Mitigation Measure TRANS-1, the Project VMT will be reduced by approximately 4.1 percent and the Project's transportation impact will be less than significant under both the threshold set forth in Section 15064.3(b). In order to mitigate the work VMT per employee impacts to a less than significant level, the Project's daily work VMT per employee would need to be reduced by approximately 0.8. In terms of commute trip reduction, this would be equivalent to 40 daily trips (4.1 percent of 976 daily trips estimated for the Project).[38] Therefore, Mitigation Measure TRANS-1 provided below would be required to reduce the Project VMT under the regional average significance threshold. As provided in the Project Traffic Study (Appendix I), the Fehr & Peers TDM+ tool was used to quantify the potential VMT reduction for the Project due to implementation of the TDM measures identified in Mitigation TRANS-1. The effectiveness of the TDM strategies included in the TDM+ tool is based primarily on research documented in the 2010 California Air Pollution Control Officers Association (CAPCOA) publication, Quantifying Greenhouse Gas Mitigation Measures. CAPCOA offers methodologies based on preferred literature, along with methodologies based on alternative literature, for each strategy. The TDM+ tool considers a variety of TDM strategies and the setting in which they may apply, estimates effectiveness for each, and applies caps when appropriate (for example, simply aggregating the effectiveness of individual TDM measures can sometimes yield a result that is overestimated since more than one measure may be targeting the same trip). The reductions are presented as a range from "Low/CEQA" (i.e. highly defensible and suitable for use in environmental analysis documents or to mitigate a VMT impact) to "High/Ambitious" (the highest reduction for a given program, suitable for use for planning purposes). For the purposes of this analysis, the "Low/CEQA" reductions (i.e., the low end of the range) were considered for Mitigation Measure TRANS-1. With implementation of Mitigation Measure TRANS-1, the Project's impact would be less than significant.

Mitigation Measure TRANS-1: The applicant shall prepare and implement a Project-specific TDM program. The TDM program shall consist of a list of approved strategies, guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations. The following strategies would be applicable to both existing and proposed uses unless specified otherwise:

- Workplace Parking Pricing—Separates parking from property costs, requiring office tenants who wish to lease parking spaces to do so at an additional cost from the office lease cost. Parking is priced separately from office leases and must include a mechanism for ensuring that the parking costs are passed through to the employees utilizing the parking spaces. This strategy would only be applicable to the newly proposed uses.

- Transit Subsidies—Providing employees with free transit passes.

- Promotions & Marketing—Involves the use of marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. Marketing and public information campaign to

38 A commute trip reduction of 9% applied to the newly proposed uses' daily trips is 88 trips and a commute trip reduction of 4% applied to the existing building's daily trips (2,163 trips) is 87 trips, for a total commute trip reduction of 175 trips.

promote awareness of TDM program with an on-site coordinator to monitor the program.

- Emergency Ride Home—Providing a taxi or transportation network company (TNC) voucher for employees to travel home in an emergency.
- Bike Share—Implementing bike share to allow people to have on-demand access to a bicycle.
- Bicycle Amenities—Bicycle showers, repair stations, and secure bicycle parking.
- Pedestrian Network Improvements—Implementing pedestrian network improvements throughout and around the Project site that encourage people to walk to nearby destinations and transit stops
- Carpool/Vanpool Incentives—Providing monetary assistance with fares, gas costs, or parking costs for carpool or vanpool users.
- Ridematch Program—Assisting potential carpoolers in finding other individuals with similar travel routes in either closed or open systems.
- Carshare Program—Providing carshare programs to employees.

Timing/Implementation: *Applicant to provide a TDM Program to the City for review, with approval completed prior to Building Permit Final or issuance of the first certificate of occupancy. The success of the program will be monitored and the tenant commute patterns will be reviewed, with updates of adjustments and changes to be provided in an annual monitoring report, or the TDM shall include a mechanism to report to the City on the progress.*

Monitoring/Enforcement: *El Segundo Development Services Department*

17.c) The Project property is an existing developed site, and the proposed Project layout does not include sharp curves or other geometric designs that would increase hazards, as shown on Figure 4, Project Site Layout. As previously described, no new curb cuts would be required for the Project, and the two existing driveways on Grand Avenue would remain in place, providing vehicle access to the new and existing parking structures, surface parking, and loading spaces. Bicycle and pedestrian access to the Project site would not be affected, and existing bicycle access to the Project site would remain via Grand Avenue. Within the Project site, the Project would construct a pedestrian bridge connecting the third floor of the new office building to the existing parking structure. In addition, as shown on Figure 4, Project Site Layout, the Project would add a fire lane segment in order to connect the two existing fire lane segments. As such, the Project would not involve creating unsafe geometric design features such as sharp curves or dangerous intersections, and Project impacts would be less than significant and not mitigation would be required.

17.d) Emergency vehicle access to the Project site would continue to be provided via the two existing driveways to Grand Avenue. The west driveway provides right-in/right-out access to the Project site. The east driveway provides full in/out access to the Project

site. Under existing conditions, the Project Site includes two fire lane segments. As shown on Figure 3, Existing Site Development, one segment connects the western driveway to the existing parking structure; and the other segment runs south from the eastern driveway and wraps around the back of the building to connect to the existing parking structure. As discussed above, as shown on Figure 4, Project Site Layout, the Project would modify the design of the two fire lane segments to connect the fire lane segments. As such, vehicular circulation areas have been kept at the perimeter of the existing and proposed structures, and the fire lane has been integrated in the hardscape/landscape design for an uninterrupted pedestrian flow within the plaza areas. Therefore, the Project would not result in inadequate emergency access and impacts would be less than significant and no mitigation would be required.

18. TRIBAL CULTURAL RESOURCES

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place or object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	☐	☐	☒	☐
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Explanation of Checklist Responses

18.a) As mentioned previously, the potential for resources eligible for listing on the California Register of Historical Resources to exist on the Project site was evaluated in the Project Cultural Resources Identification Memorandum provided in Appendix D. The Project area was undeveloped until 1927, and the land was used for agricultural purposes from 1928 to 1952. No built features were depicted within the Project site until 1971, when a small rectangular building was depicted within the northwest corner of the Project site. However, by 1981, the small rectangular building was no longer extant. The City issued a building permit for the existing 12-story office building on February 20, 1986. Certificates of occupancy were issued for the 12-story building on March 31, 1987 and the parking structure on August 13, 1987. By 1994, the Project site was depicted with the current multi-story commercial office building, parking lot, and plaza. As evaluated in the Project Cultural Resources Identification Memorandum, the SCCIC records search, literature and historical map review, and historical society consultation identified no historical resources as defined by CEQA Section 15064.5(a) within the Project site. As such, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources. Impacts in this regard are less than significant impact and no mitigation is required.

18.b) Pursuant to AB52 (Chapter 532, Statures of 2014), the City of El Segundo sent project notification to five Native American Tribes, including Gabrielino/Tongva Nation, Gabrielino-Tongva Tribe, Gabrieleno Band of Mission Indians – Kizh Nation, Gabrieleno/Tongva San Gabriel Band of Mission Indians, and Gabrielino Tongva Indians of California Tribal Council on March 8, 2021. The Gabrieleño Band of Mission Indians—Kizh Nation (Kizh Nation), requested consultation on March 9, 2021 and the formal consultation occurred via phone on May 18, 2021, during which the Kizh Nation Chairman Andrew Salas provided evidence that the Project site is located within the boundaries of Kizh ancestral territory and that impacts to Kizh Nation tribal cultural resources would be significant unless mitigated by the Project.

As a result, the following Mitigation Measures TCR-1, TCR-2, and TCR-3 will be implemented such that in the event of any discovery of unknown tribal cultural resources during earthwork, impacts would be less than significant.

Mitigation Measure TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities

A. The Project applicant shall retain a Native American Monitor from a tribe that demonstrates ancestral affiliation with the project area. For purposed of this mitigation measure, the Gabrieleño Band of Mission Indians – Kizh Nation has demonstrated such ancestral affiliation. The Monitor shall be retained prior to the commencement of any ground-disturbing activity for the subject Project at all Project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). Ground-disturbing activity shall include, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

B. A copy of the executed monitoring agreement shall be submitted to the lead agency either prior to the commencement of any ground-disturbing activity for the Project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier.

C. The Monitor may attend the Worker Environmental Awareness Program (WEAP) training required by CUL-1 to provide sensitivity/educational training. The developer will provide the Monitor with a minimum of five working days' notice of when the WEAP training is to take place.

D. The Monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the tribe. Monitor logs will identify and describe any discovered Tribal Cultural Resources ("TCRs") as defined in Public Resource Code Section 21074(A). Copies of monitor logs will be provided to the Project Applicant/Lead Agency upon written request to the Monitor.

E. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Monitor from a designated point of contact for the Project Applicant that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Monitor to the Project Applicant/Lead Agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact TCRs.

Mitigation Measure TCR-2: Discovery of Tribal Cultural Resources Other than Human Remains and/or Grave Goods

Upon the discovery of a TCR other than human remains and grave goods, Mitigation Measure CUL-2 shall be employed to ensure that any potential impacts remain less than significant.

Mitigation Measure TCR-3: Unanticipated Discovery of Human Remains and Associated Grave Goods

A. Human remains and grave/burial goods shall be treated alike per California Public Resources Code Section 5097.98(d)(1) and (2). If Native American human remains and/or grave goods discovered or recognized on the Project site, then all construction activities shall immediately cease in the area. Native American human remains are defined in Public Resources Code 5097.98 (d)(1) as "an inhumation or cremation, and in any state of decomposition or skeletal completeness." Associated grave goods must also be treated in accordance with Public Resources Code Section 5097.98.

B. Health and Safety Code Section 7050.5 dictates that any discoveries of human skeletal material shall be immediately reported to the County Coroner and all ground-disturbing activities on the site or any nearby, adjacent area reasonably suspected to overlie the presence of human remains and/or associated grave goods shall be halted until the coroner has determined the nature of the remains. If the coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, within 24 hours, the Native American Heritage Commission (NAHC), and the protocols in Public Resources Code Section 5097.98 shall be followed.

C. The NAHC will identify the most likely descendent (MLD). The MLD has 48 hours to make recommendations to the owner, or representative, for the treatment or disposition, with proper dignity, of the human remains and grave goods. If the MLD does not make recommendations within 48 hours, the owner shall reinter the remains in an area of the property secure from further disturbance.

D. If the landowner does not accept the MLD recommendations, the owner or the descendent may request mediation by the NAHC. If mediation fails, the landowner shall reinter the human remains with appropriate dignity on the property in a location not subject to future subsurface disturbance.

E. If no MLD is identified, no recommendations are made, or the recommendation is rejected after mediation, the developer shall reinter the remains with appropriate dignity on the property in a location not subject to further, or anticipated future, subsurface disturbances. (Pub. Res. Code Section 5097.98[e]; CEQA Guidelines Section 15064.5(e).)

F. Construction activities may resume in other parts of the Project site at a minimum of 100 feet away from discovered human remains and/or grave goods, unless the archaeologist and tribal monitor determines that resuming construction activities would likely disturb other human skeletal material, human remains, or grave goods. The tribal monitor and archaeologist shall provide the project manager express notice if the construction activities must be halted at a distance other than 100 feet, along with any other measures the archaeologist deems necessary. (14 Cal. Code Regs. Section 15064.5[f].)

G. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or grave goods.

H. Any discovery of human remains/grave goods shall be kept confidential to prevent further disturbance.

Timing/Implementation: *Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits*

Monitoring/Enforcement: *El Segundo Development Services Department*

19. UTILITIES AND SERVICE SYSTEMS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Explanation of Checklist Responses

19.a) The Project would involve minor alteration of an existing parking structure and an office building (non-structural alterations to accommodate a pedestrian bridge from the existing parking structure to the new office building), as well as the construction of a 5-level office building and a 4-level parking structure. The result of the rehabilitation activities would be a net increase in 105,469 gross square feet of office space due to the construction of the new office building. Given the increase in intensity of office uses at the Project site, the Project would result in an increase in water demand, wastewater generation, and an increase in demand on other utilities, such as electricity, natural gas, and telecommunications. The Project site contains an existing commercial office building that is currently served by these utilities.

Water

Water service is provided to the Project site by the City of El Segundo's Water Division, which is a partner of the West Basin MWD. The water district provides wholesale potable water to 17 cities, serving approximately 900,000 people. The Project is a development that builds out under the existing zoning and General Plan land use designation, which considers the sufficiency of water supply for the long-term development in the City. The Project would connect into existing onsite potable water infrastructure within the Project site. The City's Public Works Department has found the existing water service infrastructure serving the Project site is sufficient to meet the Project's estimated net increase in water demand of 15,363 gallons per day (gpd) and of sustaining a minimum

pressure of 50 pounds per square inch (psi). Therefore, while the Project would result in an increase in water consumption given the increase in commercial square footage on the Project site, the Project would not require the construction or relocation of new or expanded water facilities and impacts would be less than significant and no mitigation measures are required.

Wastewater

Wastewater generated by the Project would be conveyed to the Sanitation Districts of Los Angeles County (the Sanitation Districts) Joint Water Pollution Control Plant, located at 24501 South Figueroa Street in Carson. The facility currently serves over 4.8 million residents, businesses, and industries by providing both primary and secondary wastewater treatment on an average flow of 261.1 million gallons per day (mgd), with a maximum capacity of up to 400 (mgd). Before discharge, the treated wastewater is disinfected with hypochlorite and sent to the Pacific Ocean through a network of outfalls. These outfalls extend 2 miles off the Palos Verdes Peninsula to a depth of 200 feet. The Joint Water Pollution Control Plant must comply with its current National Pollutant Discharge Elimination System (NPDES) Permit, which regulates the plant's discharges. The City of El Segundo Public Works Department has reviewed the Project and confirmed adequate capacity to serve the Project, based on an estimated generation of 19,669 average gpd. The Project may connect the sewer line from the proposed office building to the existing 12-inch on-site lateral that is already connected to the public main. If this is not possible, a new connection would need to be made to the public sewer line. As such, the Project would not require any change in the treatment protocol for Project-generated wastewater. Project impacts would be less than significant.

Stormwater Drainage

As discussed in Section 10, Hydrology and Water Quality, of this Initial Study, the existing storm drainage facilities, coupled with proposed improvements, including better balancing storm drain flows between the property addresses and on-site stormwater storage/infiltration basins would be adequate to accommodate Project runoff. No physical modifications to the existing municipal stormwater infrastructure in the Project vicinity would be required to handle the Project stormwater runoff. Further, short-term stormwater impacts, such as those resulting from construction activities and resulting sediment runoff from the Project site, would be regulated by the NPDES Construction General Permit. As also discussed in Section 10, this permit requires identification of a variety of water quality control BMPs to be specified on construction plans and implemented throughout construction. Through compliance with existing, mandatory regulations regarding stormwater storage and treatment, potential water quality impacts during construction and operation would be avoided or reduced to less than significant levels and would avoid conflicts with water quality standards established by the Los Angeles Regional Water Quality Control Board. Thus, the Project would not require the construction or relocation of new or expanded stormwater facilities and impacts would be less than significant.

Dry Utilities (Natural Gas, Electricity, Telecommunication)

Southern California Edison (SCE) and Southern California Gas Company (SoCalGas) provide electricity and natural gas services to the Project site, respectively. These electricity and natural gas providers service the existing office building and parking

structure on the Project site. As such, Project-related improvements would include connection of existing natural gas and electricity service lines to the proposed office building and parking structure, as well as outdoor lighting in the courtyard, common areas, and along pathways.

Regarding natural gas, SoCalGas issued a Will Serve letter (Appendix I), confirming the presence of facilities in the area. There are no major upgrades to the delivery system that are anticipated as a result of this Project because overall regional projections set forth by energy purveyors anticipate that energy demand will decline. As stated in the 2020 California Gas Report, prepared by the California Gas and Electric Utilities, natural gas usage by commercial uses in California is expected to decline at a rate of 1.7 percent per year from 2019 to 2035.[39] This is because of more efficient power plants, statewide efforts to minimize greenhouse gas emissions through demand-side reductions, more efficient building standards incorporated into the California Title 24 building code, and CPUC-authorized energy efficiency programs. Given such decline in natural gas demand, it is not anticipated that the proposed Project would require any major reconstruction or relocation of off-site natural gas infrastructure. Should SoCal Gas determine that upgrades to existing natural gas infrastructure would be necessary, resulting from either the demand of the proposed project or cumulative demand increases, such off-site upgrade projects would be undertaken by SoCal Gas and would be subject to environmental review pursuant to CEQA.

Regarding electricity, SCE issued a Will Serve letter (Appendix I), confirming that SCE will serve the Project's electrical requirements. The California Energy Commission (CEC) provides new forecasts for electricity demand every two years as part of the *Integrated Energy Policy Report* process. The most recent report was adopted in 2019 and states that energy demand is anticipated to increase over the next 10 years with the increase depending on economic and demographic growth, the rates of electrical rates, and how broadly energy efficiency programs are adopted. However, the CEC and individual electricity purveyors, such as SCE, review demand projections published in this report and plan for capacity improvements in their distribution systems, as necessary. Should SCE determine that upgrades to existing electrical energy infrastructure would be necessary, resulting from either the demand of the proposed Project or cumulative demand increases, such off-site upgrade projects would be undertaken by SCE and would be subject to environmental review pursuant to CEQA. Attempting to estimate what environmental impacts may result from such electrical utility infrastructure improvements without knowledge of when and where the improvements would take place would be speculative.

Telecommunication services are provided to the existing office building on the Project site by private companies. Upgrades to the existing telecommunication infrastructure on the Project site would involve connecting the proposed office building to existing telecommunications connections within the Project site and in adjacent streets (Grand Avenue). Upgrades to existing telecommunication facilities and construction of new facilities to meet the demand of users are determined by telecommunication providers and is subject to its own environmental review. Any traffic disruptions associated with telecommunication utility activities within the travel lanes would be addressed through routine traffic control measures.

39 California Gas and Electric Utilities. 2020. *2020 California Gas Report.*

In summary, the Project would not result in the relocation or construction of new or expanded water, wastewater treatment, or stormwater drainage, electric power, natural gas, or telecommunications facilities and impacts would be less than significant.

19.b) As mentioned, water service is provided to the Project site by the City of El Segundo's Water Division, which is a partner of the West Basin MWD. The water district provides wholesale potable water to 17 cities, serving approximately 900,000 people. According to the West Basin MWD's 2020 Urban Water Management Plan (UWMP), the 2020 water supply consists of: 15 percent groundwater; 75 percent imported water; 11 percent recycled water; and less than 1 percent desalinated water.[40] In compliance with legislative requirements, the UWMP details how West Basin MWD manages its water supplies and demands under all hydrology conditions. The UWMP also demonstrates how West Basin MWD proposes to meet its service area's retail demands over 25 years and provide long-term water reliability. According to the UWMP (Table 3-1), while the population within the West Basin MWD is anticipated to increase between 2020 and 2040, the overall baseline potable water demand in acre-feet per year is expected to decrease over this time period due to water efficiency measures implemented within the service area, as well as implementation of recycled water programs. The UWMP concluded that West Basin MWD does not anticipate any shortages and will be able to provide reliable water supplies under both single dry year and multiple dry year conditions. No new water supply, storage, or distribution facilities are identified in the UWMP to address water demands in El Segundo. Under Water Code Section 10912, the Project is not subject to a water supply assessment since the Project does not meet the commercial office building criteria to: add more than 1,000 persons; or add more than 250,000 square feet of floor space. The City's Public Works Department has reviewed the project in comparison to the existing water service infrastructure serving the Project site. The Public Works Department is satisfied that the existing infrastructure is sufficient to meet the Project's estimated net increase in water demand of 15,363 gallons per day (gpd) and of sustaining a minimum pressure of 50 pounds per square inch (psi). Therefore, while the Project would result in an increase in water consumption given the increase in commercial square footage on the Project site, the Project would not require the construction or relocation of new or expanded water facilities and impacts would be less than significant and no mitigation measures are required.

As discussed above, the West Basin MWD's 2015 UWMP concluded the City would be able to rely on the groundwater, imported water recycled water, water conservation savings and desalinated water supplies within the District. Specifically, the West Basin MWD states in the UWMP that it does not anticipate any shortages and will be able to provide reliable water supplies under both single dry year and multiple dry year conditions through 2040. Accordingly, there would be sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry and multiple dry years. Therefore, impacts to water supplies would be less than significant and no mitigation would be required.

19.c) As discussed above, the Sanitation Districts confirmed adequate capacity to serve the Project, based on an estimated increase in generation of 118 gpm. Additionally, as part of the entitlement review, the El Segundo Public Works Department has calculated the average daily flow at 19,669 gpd and indicated no concerns with the Project impacting

40 West Basin Municipal Water District. 2021. *2020 Urban Water Management Plan.*

the overall sewer system from the property. Therefore, impacts to wastewater treatment would be less than significant and no mitigation would be required.

19.d,e) Once operational, solid waste generated by the Project would consist of typical waste from a commercial office building. Project-generated wastes would continue to be accepted by the same multiple refuse disposal facilities that currently receive El Segundo's municipal solid wastes. In 2019, El Segundo disposed of approximately 46,016 tons of solid waste, as reported to the California Department of Resources Recycling and Recovery (CalRecycle 2020). Approximately 30 percent was taken to the El Sobrante Landfill, which has a cease operations date of January 1, 2051. Approximately 17 percent of this waste was taken to the Simi Valley Landfill & Recycling Center, which has a cease operations date of March 31, 2063. The proposed Project would result in a minor increase in solid waste as a result of the net increase in commercial office space. Specifically, with a net increase in 93,559 net square feet, the Project would result in an increase of approximately 561 lbs per day.[41] Furthermore, as applicable, the Project would comply with Senate Bill 1018 (Chapter 39, Statutes of 2012), Mandatory Commercial Recycling, which requires a business that generates 4 cubic yards or more of commercial solid waste per week to arrange for recycling services. Because landfill capacity is closely monitored by the Los Angeles County Sanitation District, the landfills that serve the City of El Segundo would have sufficient remaining capacities to absorb the solid waste increase resulting from the Project.

It should also be noted that the City has completed a comprehensive Source Reduction and Recycling Element in compliance with Assembly Bill (AB) 939, which requires every city in California to reduce the waste it sends to landfills. As of 2006, El Segundo was recycling 84 percent of its solid waste, thereby complying with the standards established by AB 939, which required cities to reduce waste disposal at landfills by 50 percent by the year 2000.

In addition, the City and/or the Project would be required to comply with federal, State, and local management and reduction statutes and regulations related to solid waste to ensure that the solid waste stream diverted to landfills and recycling facilities is reduced in accordance with existing regulations. For example, CalGreen requires that at least 50 percent of all nonhazardous construction wastes be recycled and/or salvaged, rather than transported to a landfill for disposal.

Finally, the Project would be required to comply with adopted programs and regulations pertaining to solid waste. Thus, participation in the City's recycling programs during construction and operation would ensure that the Project would not conflict with federal, state, and local statutes and regulations related to solid waste. Accordingly, the Project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, impacts related to solid waste generation would be less than significant and no mitigation would be required.

41 California Department of Resources Recycling and Recovery, 2020. *Estimated Solid Waste Generation Rates.*

20. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Explanation of Checklist Responses

20.a) The Project site is not located within or adjacent to a Very High Fire Hazard Severity Zone (VHFHSZ), as designated by the California Department of Forestry and Fire Protection.[42] The nearest VHFHSZs to the Project site are isolated areas located north of the Project site (the Ballona Wetlands Ecological Reserve and the Inglewood Oil Field (located 3.6 miles and 5 miles north of the Project site, respectively). The closest large fire hazard area is the Palos Verdes Peninsula, located 8 miles south of the Project site. The Project property is situated in a fully urbanized area with an urban street network, fully pressurized water system, and managed landscaping limited to decorative trees and shrubs. As such, wildland fires would not occur on or near the Project site. Regardless, in the event of any disaster warranting evacuation, the emergency routes used would depend on a number of variables, including the type, scope, and location of the incident. It is the responsibility of emergency service and/or appropriate public officials to adequately assess the situation so that safe and efficient evacuation routes are selected. As the Project site is in a fully urbanized area with a major arterial street (i.e., Pacific Coast Highway) and a major highway (I-105) within close proximity, the proposed Project would not substantially impair an adopted emergency response plan or emergency evacuation plan, and no impact would occur.

20.b) As the Project site is not within or near a VHFHSZ, the proposed Project would not have the potential to expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire due to slope, prevailing winds, and other factors, or exacerbate wildfire risks. As such, the Project would result in no impact that would exacerbate wildfire risks and expose occupants to pollutants released from a wildfire.

42 California Office of the State Fire Marshall, 2020. *Fire Hazard Severity Zone Viewer*: https://egis.fire.ca.gov/FHSZ/

20.c) The proposed Project would not require the installation or maintenance of associated infrastructure in or near a state responsibility area or VHFHSZ that may exacerbate fire risk or result in temporary or ongoing impacts to the environment. As such, no impact would occur.

20.d) The Project site is within a relatively flat, urbanized area that is adjacent to existing commercial and industrial structures. The Project would not expose people or structures to significant risks in or near a state responsibility area or VHFHSZ, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. As such, no impact would occur.

21. MANDATORY FINDINGS OF SIGNIFICANCE

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

Explanation of Checklist Responses

21.a) As discussed in checklist responses 3.a–d and 13.a–c, the proposed Project would generate less than significant emissions of criteria air pollutants and less than significant noise levels during the demolition, renovation, and construction phases and over the operating life of the office campus. With adherence to regulatory requirements, air quality and noise impacts would not be significant and would not result in a degradation of the quality of the urbanized environment in which the Project is proposed. The existing Project site has been fully developed, and there are no sensitive biological resources on or near the Project site, and as discussed in checklist responses 4.a–f, the Project would have no impact on fish or wildlife populations, nor would it eliminate any habitat or biological resources that could reduce the number or range of rare or endangered species. In addition, as discussed in checklist responses 5.a–c, no local, state, or federally designated examples of major periods in California history or prehistory have been identified on the site or in the vicinity. The Project would have a less than significant impact and the Project would not result in a mandatory finding of significance in this regard.

21.b) A significant cumulative impact may occur if a project, in conjunction with related projects, would result in impacts that are less than significant when viewed individually but would be cumulatively significant when viewed together. In addition to this Project, there are currently 17 other development projects (refer to Appendix K, Cumulative Projects List) in various areas of El Segundo that have been proposed and approved but have not been completed. These consist of nine projects currently in construction and eight with either pending entitlements or pending construction permit issuance. These other projects include a range of land uses types and intensities. Specifically, the

projects include other office buildings, a total of at least 278 residential units, a recreational hitting bay and restaurant and event use structure, 8 dedicated office building and office expansion uses, 6 mixed commercial/research and development/warehouse/retail uses, a computer data center. The nearest project is a proposed 300,00 square foot research and development and office use with a parking structure, located at 1955 East Grand Avenue, directly north of the proposed Project. This nearby project is under entitlement review with build-out projected by 2024, which may coincide with the Project construction activities. However, when considering the proposed Project in combination with the past, present, and reasonably foreseeable future projects in the vicinity of the Project site, the proposed Project does not result in environmental impacts that would incrementally contribute to a significant cumulatively impact. As detailed in the preceding checklist responses, the proposed Project would not result in any significant and unmitigable impacts in any environmental categories. The Project would be consistent with regional plans and programs that address environmental factors that include air quality, energy, greenhouse gases, hydrology and water quality, transportation, utilities, and other applicable regulators that have been adopted by public agencies. Additionally, in many cases, including aesthetics, agriculture, biological resources, cultural resources, geology, hazards, hydrology, land use, population and housing, public services, mineral resources, noise, recreation, tribal cultural resources, and wildfire, the impacts associated with the Project are either localized to the Project site or are of such a negligible degree that the impacts would not result in a considerable contribution to any significant cumulative impacts. In the case of population and housing, a conservative assumption that 5 percent or 32 of the new employees may relocate to the Project area was analyzed, which concluded that adequate housing is available in the Project area. Further, when considered with the cumulative project scenario, which includes the addition of 278 residential units, the additional new housing from current and future projects would further ameliorate any effects in Project housing. As such, cumulative impacts would be less than significant (not cumulatively considerable) and the Project would not result in a mandatory finding of significance in this regard.

21.c) As discussed in checklist responses 3.a–d and 13.a–c, the proposed Project would generate less than significant emissions of criteria air pollutants and TACs, and less than significant noise levels during the demolition, renovation, and construction phases and over the operating life of the office campus. With adherence to regulatory requirements for air quality and noise, these impacts would not cause substantial adverse effects on humans. As discussed in checklist responses 9.a–b, based on the environmental site assessment conducted on the Project site, development of the proposed office building and parking structure uses would not result in significant hazards associated with the storage, use, transport, or disposal of hazardous materials or wastes. As a result, the Project would have a less than significant impact and the Project would not result in a mandatory finding of significance in this regard.

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0 0.5 1 2 Miles

Source: ESRI World Street Map Service; Los Angeles County GIS

1950-1960 EAST GRAND AVENUE PROJECT

Project Regional Location

Figure 1

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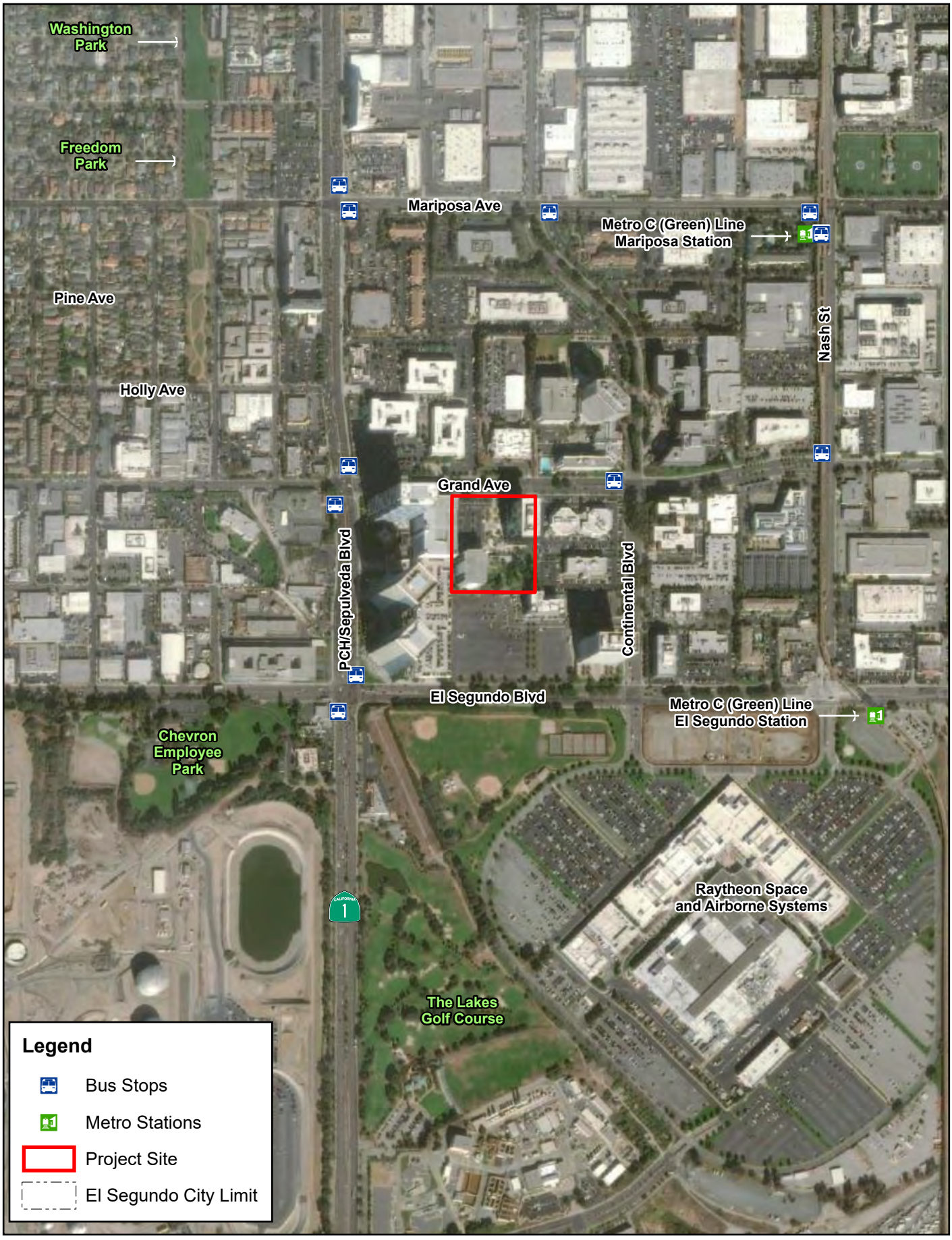

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0 350 700 Feet

Source: Los Angeles County GIS; LA Metro; Nearmap Map Service

1950-1960 EAST GRAND AVENUE PROJECT

Project Vicinity

Figure 2

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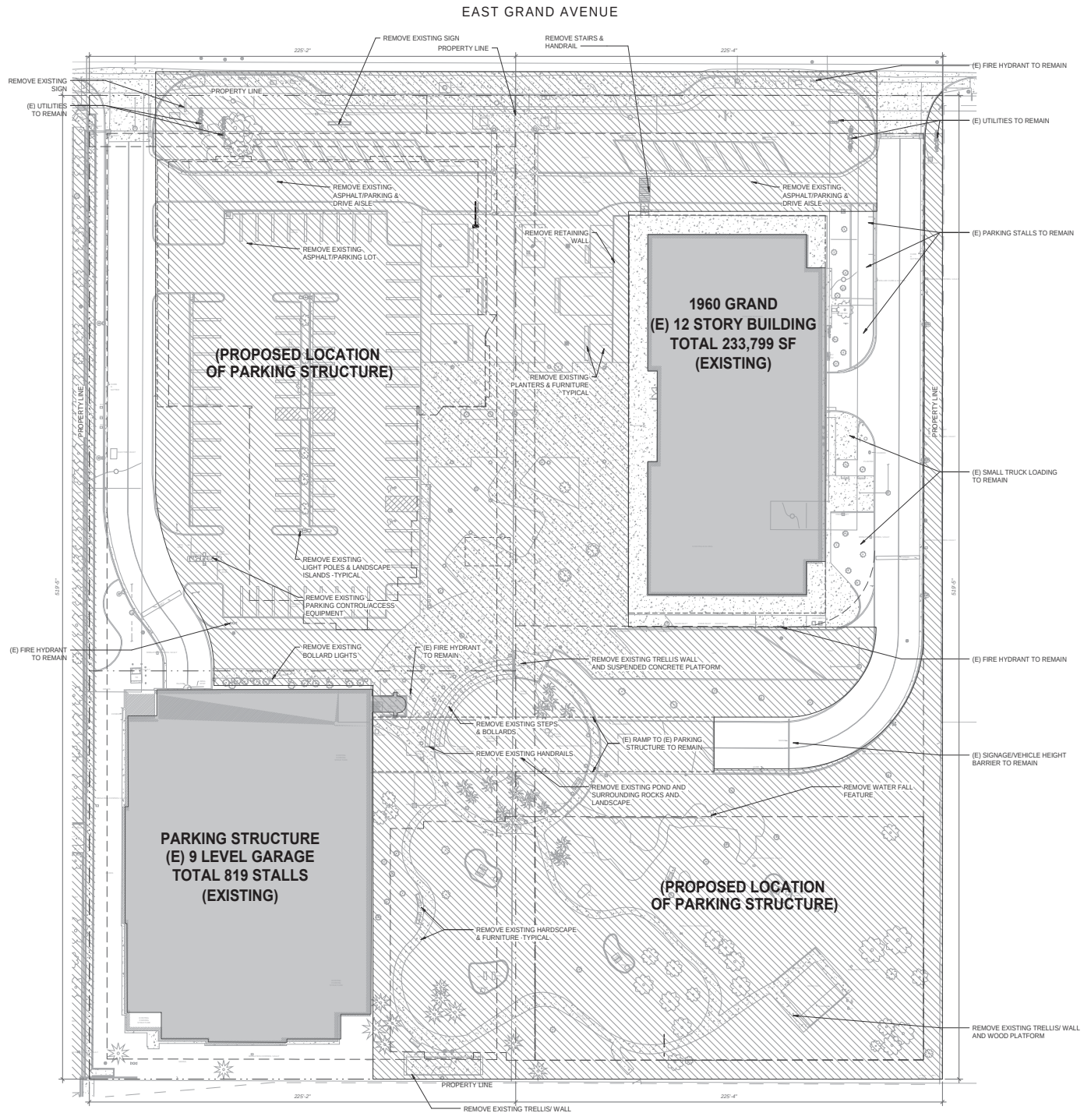

1950-1960 EAST GRAND AVENUE PROJECT

Existing Site Development

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Figure 3

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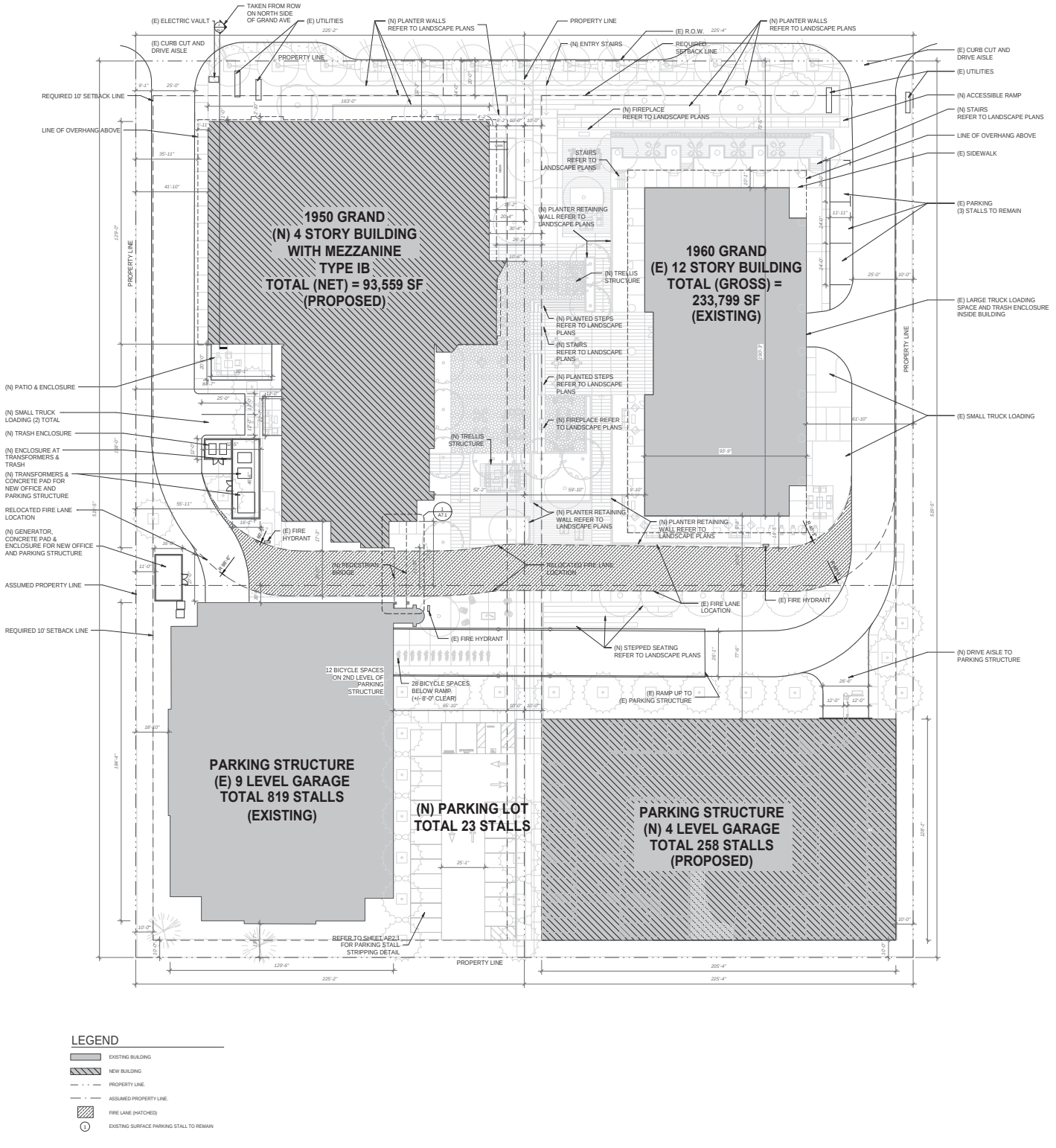

1950-1960 EAST GRAND AVENUE PROJECT

Site Layout

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Figure 4

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1950-1960 EAST GRAND AVENUE PROJECT

Proposed New Building Visualization

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Figure 5

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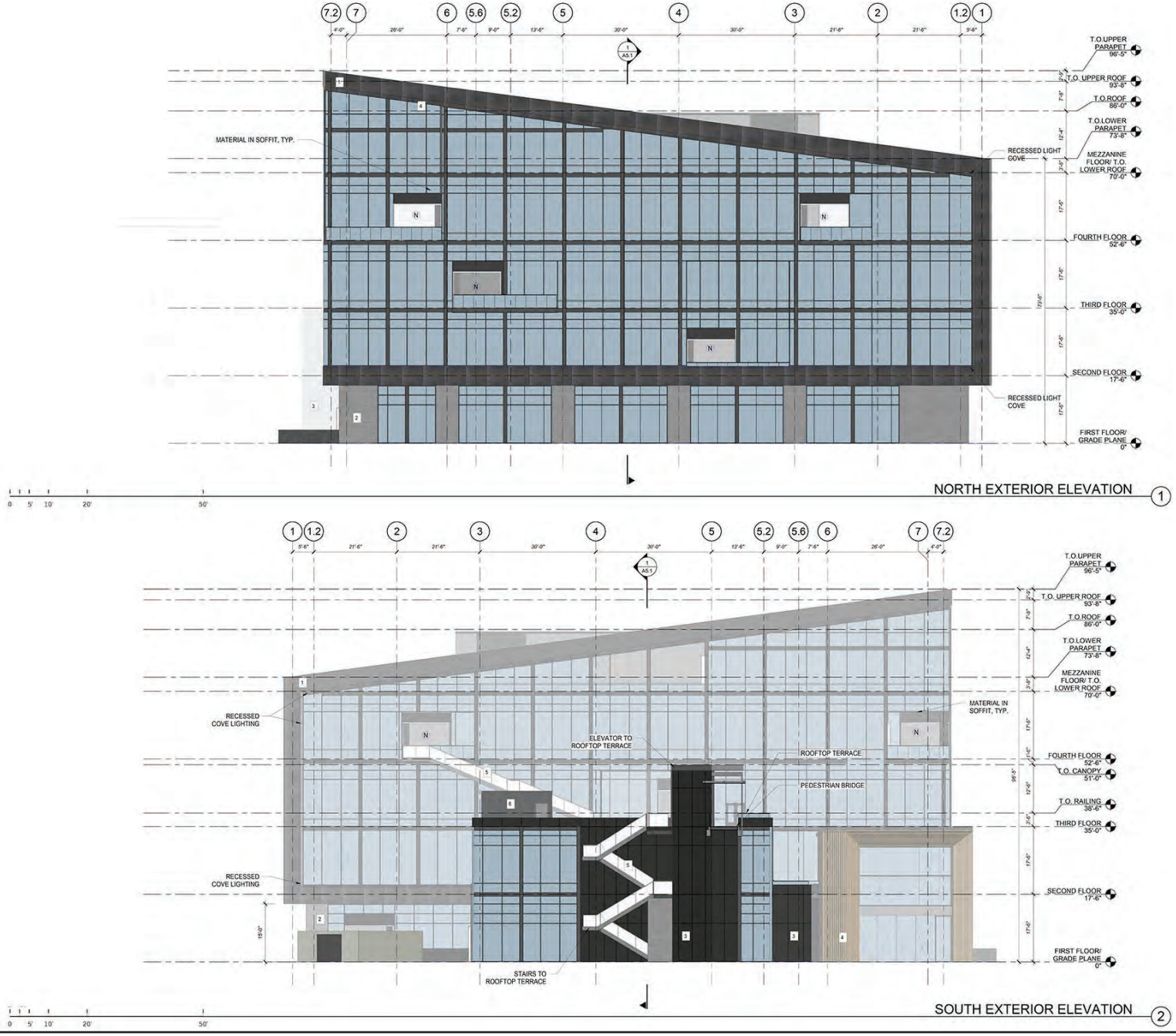

1950-1960 EAST GRAND AVENUE PROJECT

South Exterior Elevation

Figure 6

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1950-1960 EAST GRAND AVENUE PROJECT

West Exterior Elevation

Figure 7

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ARTISAN REALTY ADVISORS

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed. Signage shown is for illustrative purposes only and does not necessarily reflect municipal code compliance.

PARKING STRUCTURE NE VIEW

THE GRAND 1950 & 1960 EAST GRAND AVENUE, EL SEGUNDO, CA

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ARTISAN REALTY ADVISORS

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed. Signage shown is for illustrative purposes only and does not necessarily reflect municipal code compliance.

PARKING STRUCTURE NW VIEW

THE GRAND 1950 & 1960 EAST GRAND AVENUE, EL SEGUNDO, CA

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1950-1960 EAST GRAND AVENUE PROJECT

Proposed New Parking Structure Visualization

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Figure 8

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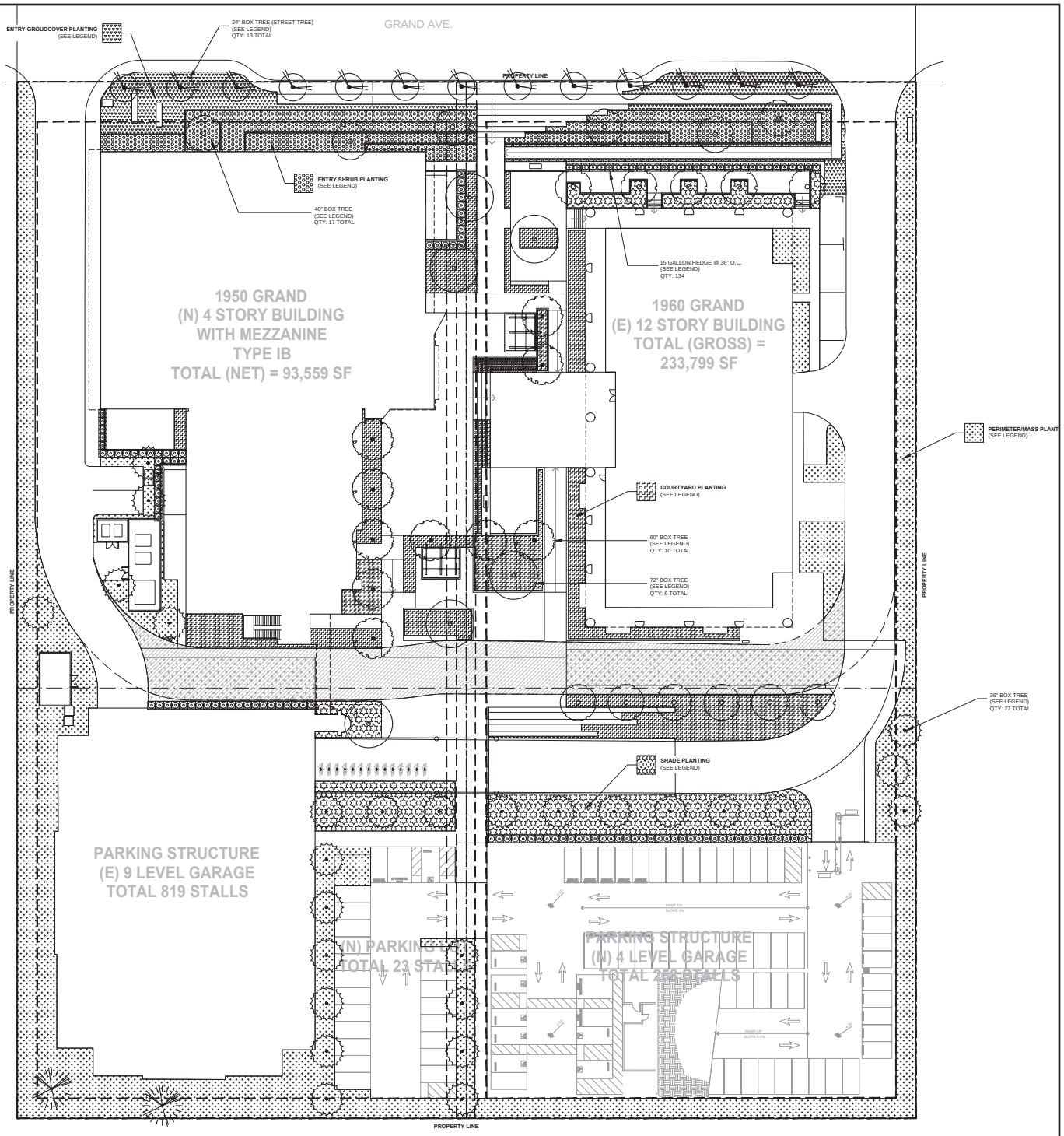

PLANT LEGEND - SHRUBS

	DESCRIPTION	SIZE
	SCREENING HEDGE/BAMBOO **SAMBUSA MULTIPLEX 'ALPHONSE KARR'** *A.K. BAMBOO* **PITTOSPORUM TEN. 'SILVER SHEEN'** *SILVER KOHUHU* **PODOCARPUS GRACILIOR** *FERN PODOCARPUS* **WESTRINGIA 'WYNYABEE GEM'** *COAST ROSEMARY*	15 GAL @ 36" O.C.
	ENTRY GROUNDCOVER **BOUTELOUA GRACILIS** *GRAMA GRASS* **FESTUCA GLAUCA** *BLUE FESCUE* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **SENECIO SPP.** *CHALK STICKS* **WESTRINGIA 'MUNDI'** *CREEPING COAST ROSEMARY*	MIX OF: 75% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	ENTRY SHRUBS **AGAVE SPP.** *AGAVES* **LEYMUS CONDENSATUS 'C.P.'** *CANYON PRINCE WILD RYE* **PENNISETUM 'FAIRY TALE'** *EVERGREEN FOUNTAIN GRASS* **PHORMIUM 'AMAZING RED'** *RED NEW ZEALAND FLAX*	MIX OF: 75% 5 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	COURTYARD PLANTING **BOUTELOUA GRACILIS** *GRAMA GRASS* **DIANELLA CAERULEA 'CASSA BLUE'** *BLUE FLAX LILY* **KALANCHOE SPP.** *SPOON PLANT* **OLEA EUROPAEA 'MONTRA'** *LITTLE OLLIE DWARF OLIVE* **PENNISETUM SPATHOLATUM** *SLENDER VELDT GRASS* **SALVIA APIANA** *WHITE SAGE* **SENECIO VITALIS** *NARROW LEAF CHALK STICKS*	MIX OF: 50% 5 GAL @ 24" O.C. 50% 1 GAL @ 18" O.C.
	SHADE PLANTING **AEONIUM SPP.** **AGAVE ATTENUATA** *FOXTAIL AGAVE* **DIANELLA TASMANICA 'VARIEGATA'** *STRIPED FLAX LILY* **LOMANDRA LONGIFOLIA 'BREEZE'** *DWARF MAT RUSH* **SANSEVIERIA TRIFASCIATA** *MOTHER IN LAW'S TONGUE*	MIX OF: 50% 5 GAL @ 24" O.C. 50% 1 GAL @ 18" O.C.
	PERIMETER/MASS PLANTING **ALOE ARBORESCENS** *TORCH ALOE* **FURCRAEA FOETIDA 'MEDIOPICTA'** *VARIEGATED MAURITIUS HEMP* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **ROSMARINUS OFFICINALIS 'PROSTRATUS'** *CREEPING ROSEMARY* **SENECIO MANDRALISCAE** *BLUE CHALK STICKS*	MIX OF: 25% 15 GAL @ 36" O.C. 25% 5 GAL @ 24" O.C. 25% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.

PLANT LEGEND - TREES

SYMBOL	DESCRIPTION	SIZE
	PLATANUS RACEMOSA *CALIFORNIA SYCAMORE* **LOPHOSTOMON CONFERTA** *BRISBANE BOX*	24" BOX
	ULMUS PARVIFOLIA *CHINESE ELM*	36" BOX
	ACACIA BAILEYANA *GOLDEN MIMOSA TREE* **ARBUTUS 'MARINA'** *MARINA STRAWBERRY TREE* **EUPHORBIA COTTINIFOLIA** *COPPER PLANT*	48" BOX
	OLEA EUROPAEA *OLIVE TREE* **ULMUS PARVIFOLIA** *CHINESE ELM*	60" BOX
	JACARANDA MIMOSIFOLIA *JACARANDA TREE* **TIPUANA TIPU** *TIPU TREE*	72" BOX
	EXISTING TREE TO REMAIN	--

PLANTING NOTES:

ALL LANDSCAPING SHALL BE LOW PROFILE AROUND PERIMETER FENCING, WINDOWS, DOORS AND ENTRYWAYS, TAKING SPECIAL CARE NOT TO LIMIT VISIBILITY OR PROVIDE CLIMBING ACCESS. FLORAL OR GRASS GROUND COVER IS RECOMMENDED. BUSHES SHALL BE TRIMMED TO 2 TO 3 FEET AND AWAY FROM BUILDINGS. DENSE BUSHES SHALL NOT BE CLUMPED TOGETHER; THIS PROVIDES A HIDING PLACE FOR CRIMINAL ACTIVITY. TREES SHALL BE TRIMMED UP TO 7 FEET.

TREES/BUSHES/SHRUBS SHALL NOT BE PLANTED NEXT TO OR NEAR ANY LIGHT FIXTURE OR LIGHT STANDARD. WHEN GROWN TO MATURITY THIS LANDSCAPING WILL BLOCK THE LIGHT AND REDUCE LIGHTING ON THE GROUND SURFACE.

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NOT TO SCALE

1950-1960 EAST GRAND AVENUE PROJECT

Landscaping/Planting Plan

Figure 9

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Appendix A
Preliminary
Project Site Plans

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1950 & 1960 EAST GRAND AVENUE

PLANNING SUBMITTAL SET

1950 & 1960 East Grand Avenue
El Segundo, California

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ARCHITECTURAL SHEET COUNT: 28

CIVIL

C1.00 GRADING PLAN
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CIVIL SHEET COUNT: 6

TOPOGRAPHIC SURVEY

1 TOPOGRAPHIC SURVEY
2 TOPOGRAPHIC SURVEY
3 TOPOGRAPHIC SURVEY
4 TOPOGRAPHIC SURVEY
5 TOPOGRAPHIC SURVEY
6 TOPOGRAPHIC SURVEY

TOPOGRAPHIC SURVEY SHEET COUNT: 6

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L0.1 CITY REFERENCE PLAN
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L1.0 L1 CONSTRUCTION PLAN
L1.1 L3 CONSTRUCTION PLAN
L1.2 L1 CONSTRUCTION ENLARGEMENT PLAN
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L2.0 CONSTRUCTION DETAILS
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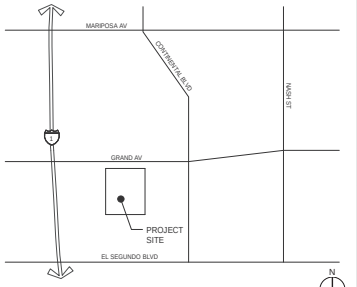
L3.1 L3 PLANTING PLAN
L3.2 PLANT PALETTE

LANDSCAPE SHEET COUNT: 16

VICINITY MAP



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1950 & 1960 EAST GRAND AVENUE
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El Segundo, California

TITLE SHEET - PLANNING SUBMITTAL

	DATE	REMARKS
A	05/12/2020	PLANNING RFS SUBMITTAL
C	05/12/2020	PLANNING SUBMITTAL AD (LAX-SIET)
D	11/30/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY:	Author
JOB NO.:	LAX20-0012-00

SHEET
A0.1

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ZONING SUMMARY

ZONE: CO (CORPORATE OFFICE)
USE: OFFICE

LOT AREA: A MINIMUM OF 10,000 SF
LOT FRONTAGE EACH LOT SHALL HAVE A MINIMUM FRONTAGE ON A STREET OF 100'
BUILDING HEIGHT: EAST OF PACIFIC COAST HIGHWAY: NO BUILDING OR STRUCTURE SHALL EXCEED 200'
FAR: 0.80

SETBACK REQUIREMENTS
FRONT: 20'
SIDE PARCEL: 10'
REAR: 10'

Per Section 15-5D-7 SITE DEVELOPMENT STANDARDS:
F. Building Area: The total net floor area of all buildings shall not exceed the total net square footage of the property multiplied by 0.8 or an FAR of 0.8:1

PARCEL 1 (1950 E GRAND AVE):
LOT AREA: 519'-5" x 225'-2" = 116,961 SF (2.685 ACRES)
LOT FRONTAGE: (225'-2")
BUILDING HEIGHT:
1950 BLDG: 96'-5"
PARKING STRUCTURE: 110'-0"
ALLOWABLE SITE FAR: 93,569 (NET) SF
PROPOSED SITE FAR: 93,559 (NET) SF
SITE FAR: 0.80

PARCEL 2 (1960 E GRAND AVE):
LOT AREA: 519'-5" x 225'4" = 116,961 SF (2.685 ACRES)
LOT FRONTAGE: (225'-4")
BUILDING HEIGHT:
1960 BLDG: 162'-0"
PARKING STRUCTURE: 58'-3"
SITE FAR: 233,799 (NET) SF (PER ENVIRONMENTAL ASSESSMENT NO EA-012 & PER THE BUILDING PERMIT)
SITE FAR: 1.99 (LEGAL NON-CONFORMING)

PROJECT DATA

NEW BUILDINGS:

1950 BUILDING:
USE: OFFICE
OCCUPANCY: B
TYPE: IB
SPRINKLERED
4 STORY WITH MEZZANINE

(N) PARKING STRUCTURE:
USE: PARKING GARAGE
OCCUPANCY: S-2
TYPE: IB
SPRINKLERED
4 STORY

EXISTING BUILDINGS:

1960 BUILDING:
USE: OFFICE
OCCUPANCY: B
TYPE:
SPRINKLERED
12 STORY

(E) PARKING STRUCTURE:
USE: PARKING GARAGE
OCCUPANCY: S-2
TYPE:
SPRINKLERED
9 LEVEL

SITE DATA

PARCEL 1 ASSESSOR'S PARCEL NO: 4138-007-065
PARCEL 2 ASSESSOR'S PARCEL NO: 4138-007-066

SITE PARKING REQUIRED (OFFICE USE):
1/300 FOR FIRST 25,000 SF
1/350 FOR SECOND 25,000 SF
1/400 FOR AREA IN EXCESS OF 50,000 SF

GROSS BUILDING AREA:

1950 (NEW BUILDING)	1960 (EXISTING BUILDING)
GROUND FLOOR: 29,654 SF	TOTAL: 233,799 SF (PER ENVIRONMENTAL
SECOND FLOOR: 27,004 SF	ASSESSMENT NO EA-012 & PER THE BUILDING
THIRD FLOOR: 20,737 SF	PERMIT)
FOURTH FLOOR: 20,951 SF	
MEZZANINE FLOOR: 7,123 SF	
TOTAL: 105,469 SF	

Per Section 15-1-6 "FLOOR AREA (GROSS): The area included within the surrounding exterior walls of a building or portion thereof, exclusive of garages, vent shafts and courts. The floor area of a building, or portion thereof, not provided with surrounding exterior walls shall be the usable area under the horizontal projection of the roof or floor above."

NET FLOOR AREA:

1950 (NEW BUILDING)

GROUND FLOOR: 25,328 SF
SECOND FLOOR: 24,643 SF
THIRD FLOOR: 18,764 SF
FOURTH FLOOR: 18,858 SF
MEZZANINE FLOOR: 5,964 SF
TOTAL: 93,559 SF

Per Section 15-1-6 "FLOOR AREA (NET): The total horizontal area of all floors, stories or levels, as measured to the interior of a building's perimeter walls. Space devoted to the following shall not be included when determining the total net floor area within a building or structure:
A. Elevator shafts
B. Stairwells and stairway enclosures.
C. Courts or atriums.
D. Rooms exclusively holding building operating equipment.
E. Parking spaces at or above grade and access thereto; provided, that in commercial and manufacturing zones:
F. Structures devoted exclusively to parking.
G. Restrooms in common areas of nonresidential buildings"

SITE DATA

PARKING SUMMARY: REQUIRED

PARCEL 1 (1950 E GRAND AVE):
REQUIRED PARKING
25,000 SF/300=83
25,000 SF/350=71
43,559 SF/400=109
TOTAL: 263 STALLS

PARCEL 1 (1950 E GRAND AVE):
LOADING SPACES REQUIRED
2 SMALL TRUCK SPACES FOR BUILDINGS 25,001 TO 100,000 SF IN SIZE

PARCEL 1 (1950 E GRAND AVE):
REQUIRED BICYCLE SPACES:
15,000 SF = 4
43,559-15,000/400=71
83+71+71=225 X 5%= 11
TOTAL= 15 SPACES

PARCEL 2 (1960 E GRAND AVE):
REQUIRED PARKING
25,000 SF/300-83
25,000 SF/350=71
183,799 SF/400=460
TOTAL: 614 STALLS

PARCEL 2 (1960 E GRAND AVE):
LOADING SPACES REQUIRED
2 SMALL TRUCK AND 1 LARGE TRUCK SPACE FOR BUILDINGS 100,001 TO 250,000 SF IN SIZE
PROVIDED: 2 SMALL AND 1 LARGE TRUCK SPACE

PARCEL 2 (1960 E GRAND AVE):
REQUIRED BICYCLE SPACES:
15,000 SF = 4
183,799-15,000/400=422
83+71+422=576 X 5%= 29
TOTAL= 25 SPACES

BICYCLE REQUIREMENT:
4 SPACES UP TO 15,000 SF + A MINUMIM OF 5% OF THE REQUIRED VECHICLE SPACES FOR THE PORTION ABOVE 15,000. MAX 25 SPACES

PARKING SUMMARY: EXISTED

PARCEL 1 (1950 E GRAND AVE):
EXISTING PARKING:
PARKING STRUCTURE: 819
SURFACE PARKING: 87
TOTAL: 906 STALLS

PARCEL 1 (1950 E GRAND AVE):
SURFACE PARKING TO BE REMOVED: 87 STALLS

PARCEL 2 (1960 E GRAND AVE):
EXISTING PARKING:
SURFACE PARKING: 11
TOTAL: 11 STALLS

PARCEL 2 (1960 E GRAND AVE):
SURFACE PARKING TO BE REMOVED: 8 STALLS

PARKING SUMMARY: PROPOSED

PARCEL 1 (1950 E GRAND AVE):
PROPOSED PARKING:
(E) PARKING STRUCTURE: 819
(N) SURFACE PARKING: 23
TOTAL: 842 STALLS

PARCEL 1 (1950 E GRAND AVE):
PROVIDED BICYCLE SPACES:
(7.5) NEW BICYCLE RACKS
FOR 15 SPACES TOTAL

PARCEL 1 (1950 E GRAND AVE):
PROVIDED LOADING SPACES:
2 SMALL TRUCK SPACES

PARCEL 2 (1960 E GRAND AVE):
PROPOSED PARKING:
(N) PARKING STRUCTURE: 258
(E) SURFACE PARKING: 3
TOTAL: 261 STALLS

PARCEL 2 (1960 E GRAND AVE):
PROVIDED BICYCLE SPACES:
(2) EXISTING BICYCLE RACKS
INSIDE EXISTING PARKING STRUCTURE FOR 12 SPACES TOTAL
(6.5) NEW BICYCLE RACKS FOR 13 TOTAL
TOTAL PROVIDED: 25 SPACES

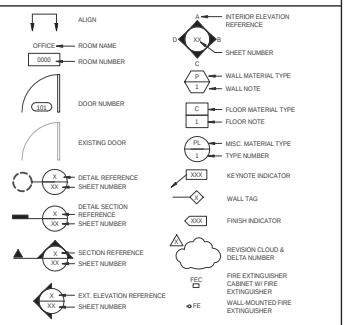
PARCEL 2 (1960 E GRAND AVE):
PROVIDED LOADING SPACES:
2 SMALL AND 1 LARGE TRUCK SPACE

The number of on site parking spaces required for the establishment of a building or use must be provided and thereafter maintained at the ratios set forth below. For uses not listed the required number of spaces will be determined by the director of planning and building safety based on most similar listed use or a parking demand study. A parking demand study must include, without limitation, information specifying the number of employees, customers, visitors, clients, shifts, deliveries, parking spaces, or other criteria established by the director of planning and building safety. The director of planning and building safety may at the director's discretion, refer any decision regarding uses not listed to the planning commission for review. **Unless stated otherwise, parking must be based on net floor area as defined in this code.** Accessible parking spaces must be provided and comply with the Americans With Disabilities Act (ADA), title III and California Code of Regulations (CCR), California Access Code, title 24. (Ord. 1444, 8-3-2010)

ABBREVIATIONS

#	POUND or NUMBER	G.C.	GENERAL CONTRACTOR	R.C.P.	REFLECTED CEILING PLAN
&	AND	G.F.I.	GROUND FAULT INTERRUPT	R.D.	ROOF DRAIN
(E)	EXISTING	GA.	GAUGE	R.O.	ROUGH OPENING
@	AT	GALV.	GALVANIZED	R.O.W.	RIGHT OF WAY
~	DIAMETER or ROUND	GL.	GLASS	R.T.U.	ROOF TOP UNIT
ø	DIAMETER	GND.	GROUND	R.W.L.	RAIN WATER LEADER
℄	CENTERLINE	GR.	GRADE	RAD.	RADIUS
∠	ANGLE	GYP.	GYPSUM	REF.	REFERENCE
				REFR.	REFRIGERATOR
A.D.	AREA DRAIN	H.B.	HOSE BIBB	REINF.	REINFORCE(D)
ACOUS.	ACOUSTICAL	H.C.	HOLLOW CORE	REQ.	REQUIRED
ADJ.	ADJUST, ADJUSTABLE or ADJACENT	H.M.	HOLLOW METAL	RESIL.	RESILIENT
		H.P.	HIGH POINT	RGTR.	REGISTER
AGGR.	AGGREGATE	H.V.	HIGH VOLTAGE	RM.	ROOM
AL.	ALUMINUM	HDWD.	HARDWOOD	RWD.	REDWOOD
APPROX.	APPROX(IMATE)(LY)	HDWE.	HARDWARE		
ARCH.	ARCHITECTURAL	HORIZ.	HORIZONTAL	S.	SOUTH
ASB.	ASBESTOS	HR.	HOUR	S.A.F.	SELF-ADHERED FLASHING
ASPH.	ASPHALT	HT.	HEIGHT	S.C.	SOLID CORE
				S.C.D.	SEAT COVER DISPENSER
B.O.C.	BOTTOM OF CONCRETE	I.D.	INSIDE DIMENSION	S.D.	SOAP DISPENSER
B.O.M.	BOTTOM OF MULLION	I.H.P.	INTERMEDIATE HIGH POINT	S.F.	SQUARE FOOT
B.O.P.	BOTTOM OF PANEL	INSUL.	INSULATION or INSULATED	S.I.	SQUARE INCH
B.O.R.	BOTTOM OF REVEAL	INT.	INTERIOR	S.N.D.	SANITARY NAPKIN DISPENSER
BD.	BOARD			S.N.R.	SANITARY NAPKIN RECEPTACLE
BITUM.	BITUMINOUS	J.B.	JUNCTION BOX		
BLDG.	BUILDING	JAN.	JANITOR	S.S.	STAINLESS STEEL
BLK.	BLOCK	JST.	JOIST	S.SK.	SERVICE SINK
BLKG.	BLOCKING	JT.	JOINT	S.T.C.	SOUND TRANSMISSION COEFFICIENT
BM.	BEAM				
BOT.	BOTTOM	K.O.	KNOCK-OUT	SCHED.	SCHEDULE
		K.P.	KICK PLATE	SCWD.	SOLID CORE WOOD
C.B.	CATCH BASIN	K.W.H.	KILOWATT HOUR	SECT.	SECTION
C.G.	CORNER GUARD	KIT.	KITCHEN	SH.	SHELF
CI.	CAST IRON			SHR.	SHOWER
C.O.	CASED OPENING	L.P.	LOW POINT	SHT.	SHEET
C.O.M.	CENTER OF MULLION	L.S.	LIMESTONE	SIM.	SIMILAR
C.O.R.	CENTER OF REVEAL	L.V.	LOW VOLTAGE	SPEC.	SPECIFIED or SPECIFICATION
CAB.	CABINET	L.W.C.	LIGHT WEIGHT CONCRETE		
CEM.	CEMENT(ITIOUS)	LAB.	LABORATORY	SQ.	SQUARE
CER.	CERAMIC	LAM.	LAMINATE(D)	STA.	STATION
CLG.	CEILING	LAV.	LAVATORY	STD.	STANDARD
CLKG.	CAULKING	LIN.	LINEAR	STL.	STEEL
CLO.	CLOSET	LIQ.	LIQUID	STOR.	STORAGE
CLR.	CLEAR	LKR.	LOCKER	STRL.	STRUCTURE or STRUCTURAL
CNTR.	COUNTER	LT.	LIGHT		
COL.	COLUMN	LTL.	LINTEL	SUPP.	SUPPLEMENT or SUPPLEMENTARY
CONC.	CONCRETE	LVR.	LOUVER		
CONN.	CONNECTION			SUSP.	SUSPENDED
CONSTR.	CONSTRUCTION	M.B.	MOP BASIN	SYMM.	SYMMETRICAL
CONT.	CONTINUOUS	M.C.	MEDICINE CABINET		
CORR.	CORRIDOR	M.O.	MASONRY OPENING	T&G	TONGUE AND GROOVE
CTR.	CENTER	MAINT.	MAINTENANCE	T.	TREAD
CTSK.	COUNTER-SUNK	MAN.	MANUAL	T.B.	TOWEL BAR
		MAS.	MASONRY	T.C.	TOP OF CURB
D.F.	DRINKING FOUNTAIN	MAX.	MAXIMUM	T.D.	TRENCH DRAIN
D.O.	DOOR OPENING	MECH.	MECHANICAL	T.O.C.	TOP OF CONCRETE
D.S.	DOWNSPOUT	MEMB.	MEMBRANE	T.O.M.	TOP OF MULLION
D.S.P.	DRY STANDPIPE	MET.	METAL	T.O.P.	TOP OF PARAPET
DBL.	DOUBLE	MEZZ.	MEZZANINE	T.O.R.	TOP OF REVEAL
DEPT.	DEPARTMENT	MFR.	MANUFACTURER	T.O.REC.	TOP OF DEEP RECESS
DET.	DETAIL	MH.	MANHOLE	T.O.S.	TOP OF STEEL
DIA.	DIAMETER	MIN.	MINIMUM	T.O.W.	TOP OF WALL
DIM.	DIMENSION	MIR.	MIRROR	T.P.	TOP OF PAVEMENT
DISP.	DISPENSER	MISC.	MISCELLANEOUS	T.P.D.	TOILET PAPER DISPENSER
DN.	DOWN	MTD.	MOUNTED	T.V.	TELEVISION
DR.	DOOR	MUL.	MULLION	TEL.	TELEPHONE
DWG.	DRAWING			TER.	TERRAZZO
DWR.	DRAWER	N.	NORTH	THK.	THICK
		N.I.C.	NOT IN CONTRACT	TOL.	TOLERANCE
E.	EAST	N.R.C.	NOISE REDUCTION COEFFICIENT	TYP.	TYPICAL
E.J.	EXPANSION JOINT			U.C.	UNDERCUT
E.P.	ELECTRIC PANELBOARD	N.T.S.	NOT TO SCALE	U.H.	UNIT HEATER
E.W.C.	ELECTRIC WATER COOLER	NO.	NUMBER	U.L.	UNDERWRITERS' LABORATORIES
EA.	EACH	NOM.	NOMINAL		
EL.	ELEVATION			U.O.N.	UNLESS OTHERWISE NOTED
ELEC.	ELECTRIC(AL)	O.A.	OVERALL	UNF.	UNFINISHED
ELEV.	ELEVATOR	O.C.	ON CENTER	UR.	URINAL
EMER.	EMERGENCY	O.D.	OUTSIDE DIAMETER		
ENCL.	ENCLOSED or ENCLOSURE	O.F.	OUTSIDE FACE	V.C.T.	VINYL COMPOSITE TILE
EQ.	EQUAL	O.H.	OVERHEAD or OPPOSITE HAND	V.I.F.	VERIFY IN FIELD
EQPT.	EQUIPMENT	OBS.	OBSCURE	V.P.	VISION PANEL
EXP.	EXPANSION	OFF.	OFFICE	V.R.	VAPOR RETARDER
EXPO.	EXPOSED	OPNG.	OPENING	VAC.	VACUUM
EXST.	EXISTING	OPP.	OPPOSITE	VERT.	VERTICAL
EXT.	EXTERIOR			VEST.	VESTIBULE
		P.C.	PRECAST	VIT.	VITREOUS
F.A.	FIRE ALARM	P.J.	PANEL JOINT		
F.A.R.	FLOOR AREA RATIO	P.LAM.	PLASTIC LAMINATE	W.	WEST
F.B.	FLAT BAR	P.S.F.	POUNDS PER SQUARE FOOT	W.C.	WATER CLOSET
F.D.	FLOOR DRAIN			W.I.	WROUGHT IRON
F.E.	FIRE EXTINGUISHER	P.T.D.	PAPER TOWEL DISPENSER	W.P.	WORKING POINT
F.E.C.	FIRE EXTINGUISHER CABINET	P.T.R.	PAPER TOWER RECEPTACLE	W.S.	WEATHER STOP or STRIPPING
F.H.C.	FIRE HOSE CABINET	PL.	PLATE	W.W.F.	WELDED WIRE FABRIC
F.O.C.	FACE OF CONCRETE	PLAS.	PLASTER	W/	WITH
F.O.F.	FACE OF FINISH	PLYWD.	PLYWOOD	W/O	WITHOUT
F.O.M.	FACE OF MULLION	POL.	POLISH(ED)	WD.	WOOD
F.O.SH.	FACE OF SHEATHING	PR.	PAIR	WPM	WATERPROOFING MEMBRANE
F.P.	FIREPROOF	PT.	POINT		
F.S.	FULL SIZE			WRB	WEATHER / WATER RESISTIVE BARRIER
FDN.	FOUNDATION	Q.T.	QUARRY TILE		
FIN.	FINISH(ED)	QUAL.	QUALITY	WSCT.	WAINSCOT
FL.	FLOOR	QUAN.	QUANTITY	WT.	WEIGHT
FLASH.	FLASHING				
FLUOR.	FLUORESCENT	R.	RISER		
FT.	FOOT or FEET	R.B.	RUBBER / RESILIENT BASE		
FTG.	FOOTING				
FURR.	FURRING				
FUT.	FUTURE				
G.B.	GRAB BAR				

SYMBOLS



PROJECT DATA

APPLICABLE CODES

CITY OF:	EL SEGUNDO, CALIFORNIA
BUILDING:	2019 CALIFORNIA BUILDING CODE
STRUCTURE:	2019 CALIFORNIA BUILDING CODE
MECHANICAL:	2019 CALIFORNIA MECHANICAL CODE
ELECTRICAL:	2019 CALIFORNIA ELECTRICAL CODE
PLUMBING:	2019 CALIFORNIA PLUMBING CODE
FIRE / LIFE SAFETY:	2019 CALIFORNIA FIRE CODE (WITH LOCAL AMENDMENTS)
ENERGY:	2019 STATE OF CALIFORNIA ENERGY CODE 2019 STATE OF CALIFORNIA GREEN BUILDING CODE
ACCESSIBILITY:	2019 STATE OF CALIFORNIA TITLE 24 ACCESSIBILITY STANDARDS
ZONING:	2019 TITLE 15 CITY OF EL SEGUNDO ZONING REGULATIONS CITY OF EL SEGUNDO SMOKY HOLLOW SPECIFIC PLAN

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION 1950 BUILDING

OCCUPANCY	SECTION	USE	PROPOSED AREA (SF)
B / BUSINESS	**(304)**	**OFFICE**	SEE ALLOWABLE AREA BELOW

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE BUILDING HEIGHT:

MAIN OCCUPANCY	SPRINKLER CONDITION	(TABLE 504.3) ALLOWABLE BUILDING HEIGHT IN FEET	(504.4) ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE	PROPOSED BUILDING HEIGHT IN FEET	PROPOSED NUMBER OF STORIES ABOVE GRADE PLANE
B	**S**	**180' 0"**	**12**	**96'-5"**	**4**

ALLOWABLE BUILDING AREA:

MAIN OCCUPANCY (TABLE 506.2) TABULAR BUILDING ALLOWABLE AREA (SF)		(FT)BUILDING PERIMETER WHICH FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING 20'-0" OPEN WAY (FT)	(F) PERIMETER OF EN TIRE BUILDING (FT)	(506.2.1) INCREASE DUE TO PUBLIC WAY OR OPEN SPACE (FT)	I f = [F/P - 0.25] W/30	S a =NUMBER OF STORIES (MAX. 3)	(Aa) ALLOWABLE AREA PER STORY (FT)	
(A-i) SPRINKLER CONDITION	(NS)							$A_a = A_t + [NS \times I_f \times S_a$
SM								
UNLIMITED	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

PROPOSED FIRST FLOOR AREA	**29,653**	S.F.
PROPOSED SECOND FLOOR AREA	**27,004**	S.F.
PROPOSED THIRD FLOOR AREA	**20,737**	S.F.
PROPOSED FOURTH FLOOR AREA	**20,951**	S.F.
PROPOSED MEZZANINE FLOOR AREA*	**7,123**	S.F.
*DOES NOT COUNT TO TOTAL BUILDING AREA		
PROPOSED TOTAL BUILDING AREA	**98,346**	S.F.

CHAPTER 6 - TYPES OF CONSTRUCTION

TYPE OF CONSTRUCTION (602)	**TYPE:**	I-B
BUILDING ELEMENTS	**(TABLE 601)**	
STRUCTURAL FRAME	**2**	HR.
EXTERIOR BEARING WALLS	**2**	HR.
INTERIOR BEARING WALLS	**2**	HR.
EXTERIOR NON-BEARING WALLS	**SEE BELOW**	
INTERIOR NON-BEARING WALLS	**0**	HR.
FLOORS	**2**	HR.
ROOF	**1**	HR.
EXTERIOR WALLS BASED ON FIRE SEPARATION	**(TABLE 602)**	
NORTH EXTERIOR WALL (> 30')	**0**	HR.
EAST EXTERIOR WALL (30' > X > 10')	**1**	HR.
SOUTH EXTERIOR WALL (> 30')	**0**	HR.
WEST EXTERIOR WALL (> 30')	**0**	HR.

CHAPTER 3 - USE & OCCUPANCY CLASSIFICATION (N) PARKING STRUCTURE

OCCUPANCY	SECTION	USE	PROPOSED AREA (SF)
S-2 / STORAGE	**(311)**	**PARKING GARAGE**	SEE ALLOWABLE AREA BELOW

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE BUILDING HEIGHT:

MAIN OCCUPANCY	SPRINKLER CONDITION	(TABLE 504.3) ALLOWABLE BUILDING HEIGHT IN FEET	(504.4) ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE	PROPOSED BUILDING HEIGHT IN FEET	PROPOSED NUMBER OF STORIES ABOVE GRADE PLANE
S-2	**S**	**160' 0"**	**12**	**58'-3"**	**5**

PROPOSED FIRST FLOOR AREA	**23,086**	S.F.
PROPOSED SECOND FLOOR AREA	**21,594**	S.F.
PROPOSED THIRD FLOOR AREA	**21,987**	S.F.
PROPOSED FOURTH FLOOR AREA	**21,987**	S.F.
PROPOSED TOTAL BUILDING AREA	**89,024**	S.F.

CHAPTER 6 - TYPES OF CONSTRUCTION

TYPE OF CONSTRUCTION (602)	**TYPE:**	I-B
BUILDING ELEMENTS	**(TABLE 601)**	
STRUCTURAL FRAME	**2**	HR.
EXTERIOR BEARING WALLS	**2**	HR.
INTERIOR BEARING WALLS	**2**	HR.
EXTERIOR NON-BEARING WALLS	**SEE BELOW**	
INTERIOR NON-BEARING WALLS	**0**	HR.
FLOORS	**2**	HR.
ROOF	**1**	HR.
EXTERIOR WALLS BASED ON FIRE SEPARATION	**(TABLE 602)**	
NORTH EXTERIOR WALL (> 30')	**0**	HR.
EAST EXTERIOR WALL (30' > X > 10')	**0**	HR.
SOUTH EXTERIOR WALL (30' > X > 10')	**0**	HR.
WEST EXTERIOR WALL (30' > X > 10')	**0**	HR.

OPEN PARKING GARAGES COMPLYING WITH SECTION 406 SHALL NOT BE REQUIRED TO HAVE A FIRE RESISTANCE RATING

CHAPTER 9 - FIRE PROTECTION SYSTEMS

(903.3.1.1) AUTOMATIC SPRINKLER SYSTEM WILL BE PROVIDED AND INSTALLED WITH ACCORDANCE WITH NFPA 13.

(903.4) AUTOMATIC SPRINKLER SYSTEM MONITORING AND ALARMS WILL BE PROVIDED.

CHAPTER 10 - MEANS OF EGRESS (SEE OCCUPANCY AND EGRESS PLANS)

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PROJECT DATA

	DATE	REMARKS
A	05/12/2020	PLANNING SUBMITTAL
C	05/12/2020	PLANNING SUBMITTAL AD (EA-3 SET)
D	11/XX/2021	PLANNING SUBMITTAL

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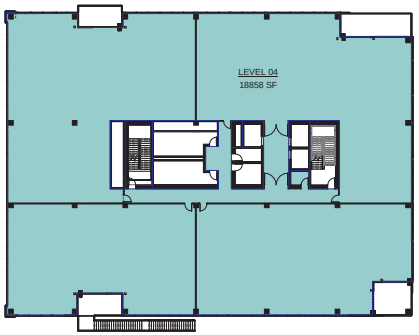
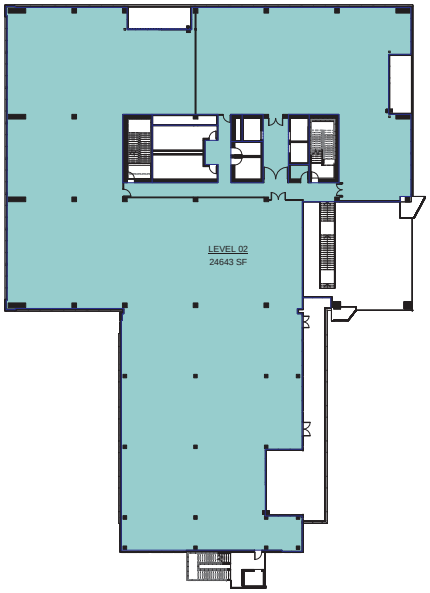


NET FLOOR AREA - LEVEL 04 (4)
SCALE: 3/64" = 1'-0"

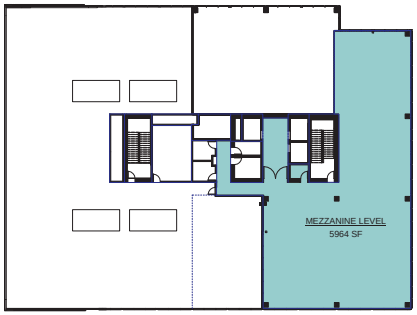


NET FLOOR AREA - LEVEL 02 (2)
SCALE: 3/64" = 1'-0"

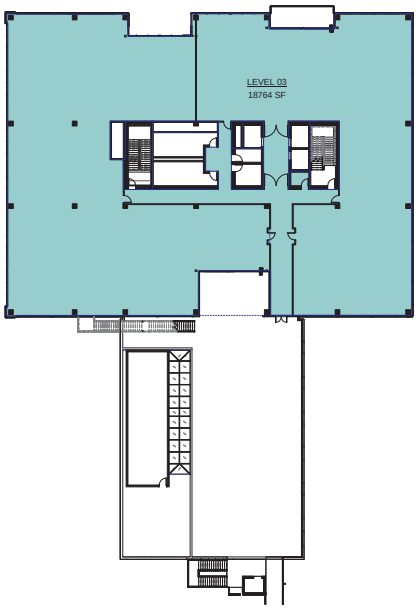
NET FLOOR AREA/FAR	
Name	Area
LEVEL 01	25,330 SF
LEVEL 02	24,643 SF
LEVEL 03	18,764 SF
LEVEL 04	18,858 SF
MEZZANINE LEVEL	5,964 SF
TOTAL	93,559 SF

Per Section 15-1-6 "FLOOR AREA (NET): The total horizontal area of all floors, or levels, as measured to the interior of a building's perimeter walls. Space devoted to the following shall not be included when determining the total net floor area within a building or structure:
A. Elevator shafts
B. Stairwells and stairway enclosures
C. Courts or atriums
D. Rooms exclusively holding building operating equipment
E. Parking spaces at or above grade and access thereto; provided, that in commercial and manufacturing zones
F. Structures devoted exclusively to parking
G. Restrooms in common area of nonresidential buildings

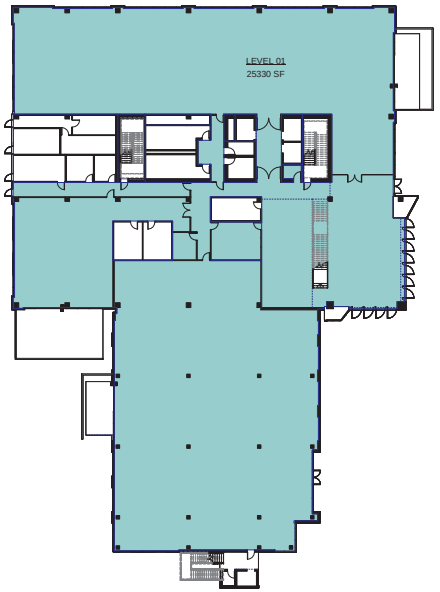
Per Section 15-5D-7 SITE DEVELOPMENT STANDARDS:
F. Building Area: The total net floor area of all buildings shall not exceed the total net square footage of the property multiplied by 0.8 or an FAR of 0.8:1



NET FLOOR AREA - MEZZANINE LEVEL (5)
SCALE: 3/64" = 1'-0"



NET FLOOR AREA - LEVEL 03 (3)
SCALE: 3/64" = 1'-0"



NET FLOOR AREA - LEVEL 01 (1)
SCALE: 3/64" = 1'-0"

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NET FLOOR AREA CALCULATIONS

	DATE	REMARKS
C	07/07/2020	PLANNING SUBMITTAL (CLEAN STUDY)
D	11/20/2020	PLANNING SUBMITTAL

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NW PERSPECTIVE

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NE PERSPECTIVE

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SE PERSPECTIVE

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SW PERSPECTIVE

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RENDERINGS

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C	12/17/2021	PLANNING SUBMITTAL (ALEA VSET)
B	11/30/2021	PLANNING SUBMITTAL

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PARKING STRUCTURE NE VIEW

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PARKING STRUCTURE NW VIEW

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PARKING STRUCTURE RENDERINGS

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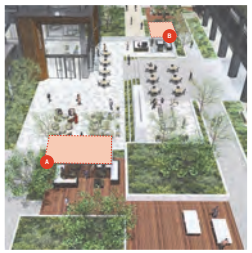

PV03 **PRECAST PAVERS**
CONCRETE PAVERS - PORTERO PATTERN WITH BLEND OF STNDR COLOR

WD1 **PLANTER WALL/RETAINING WALL**
CAST IN PLACE CONCRETE
COLOR PALOMINO W/VERTICAL FORMED FINISH

PV04 **WOOD DECKING**
1X6 IPE WOOD TIMBERS
COLOR NATURAL

WD1 **PLANTER WALL/RETAINING WALL**
CAST IN PLACE CONCRETE
COLOR PALOMINO W/VERTICAL FORMED FINISH

D **AL-1 PPFG**
VALSPAR
BLACK 398F019

G **MTL 2 PERFORATED METAL PANEL**
AMICO BILBAO PERFORATED

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SITE CANOPY

THE GRAND 1950 & 1960 EAST GRAND AVENUE, EL SEGUNDO, CA

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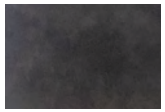
A **ROUGH SAWN BOARD FORM CONCRETE**
CAST CONCRETE



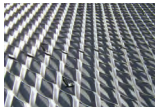
B **MTL 1 DRY JOINT SYSTEM**
PURE + PREFORM
OLD DIRTY BRONZE METAL PANEL

C **GL-1 VIRACON**
OPTIWHITE WE 24-43
OPTIWHITE WITH HIGH PERFORMANCE COATING

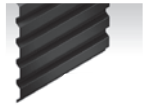
D **AL-1 PPFG**
VALSPAR
BLACK 398F019

E **AL-2 KNOTWOOD**
WOOD-LOOK ALUMINUM
KNOTTY PINE

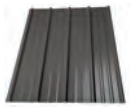
F **NANAWALL FOLDING DOOR SYSTEM**
PAINTED TO MATCH MTL-1



G **MTL 2 PERFORATED METAL PANEL**
AMICO BILBAO PERFORATED



H **MTL 4 METAL PANEL**
MORIN CORRUGATED
ROOF SCREEN



I **MTL 5 METAL PANEL**
MORIN STANDING
SEAM ROOF

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MATERIALS

THE GRAND 1950 & 1960 EAST GRAND AVENUE, EL SEGUNDO, CA

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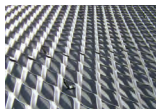
A **ALUMINUM PERFORATED METAL**
COLOR TO BE SELECTED

B **SECURITY PEDESTRIAN GATE**
METAL BLACK

D **AL-1 PPFG**
VALSPAR
BLACK 398F019



G **MTL 2 PERFORATED METAL PANEL**
AMICO BILBAO PERFORATED

K **PAINTED CONCRETE**
COLOR TO BE SELECTED

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PARKING STRUCTURE MATERIALS

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SITE RENDERINGS AND MATERIAL BOARDS

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C	12/23/2021	PLANNING SUBMITTAL (CLEAN SET)
B	11/05/2020	PLANNING SUBMITTAL

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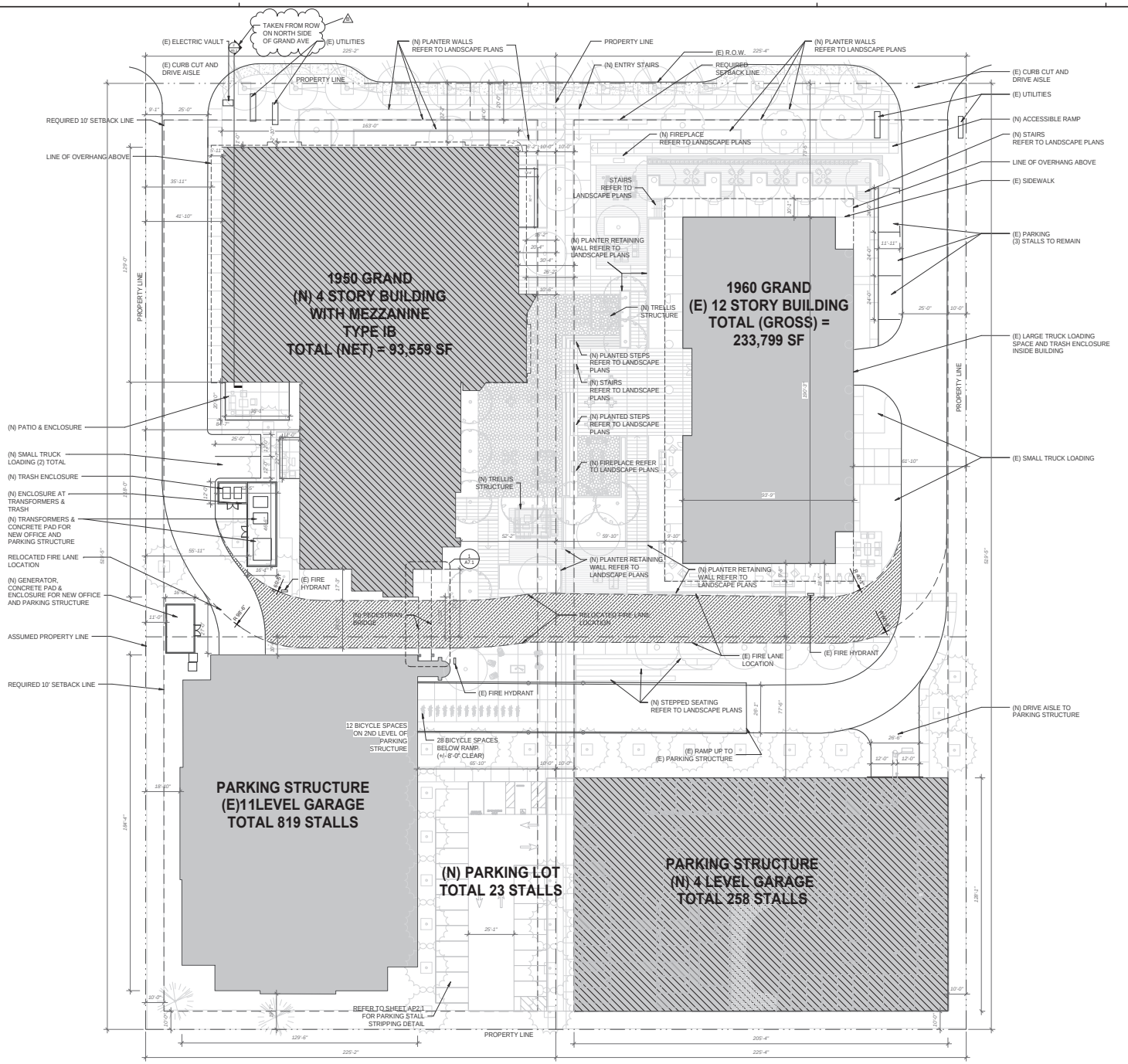

A10_SITE PLAN
SCALE: 3/64" = 1'-0"

LEGEND

- EXISTING BUILDING
- NEW BUILDING
- PROPERTY LINE
- ASSUMED PROPERTY LINE.
- FIRE LANE (HATCHED)
- EXISTING SURFACE PARKING STALL TO REMAIN

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SITE PLAN

	DATE	REMARKS
A	07/12/2021	PLANNING RESUBMITTAL
B	4/7/2021	PLANNING RESUBMITTAL
C	10/13/2021	PLANNING SUBMITTAL (CLEAN SET)
D	12/15/2021	PLANNING SUBMITTAL

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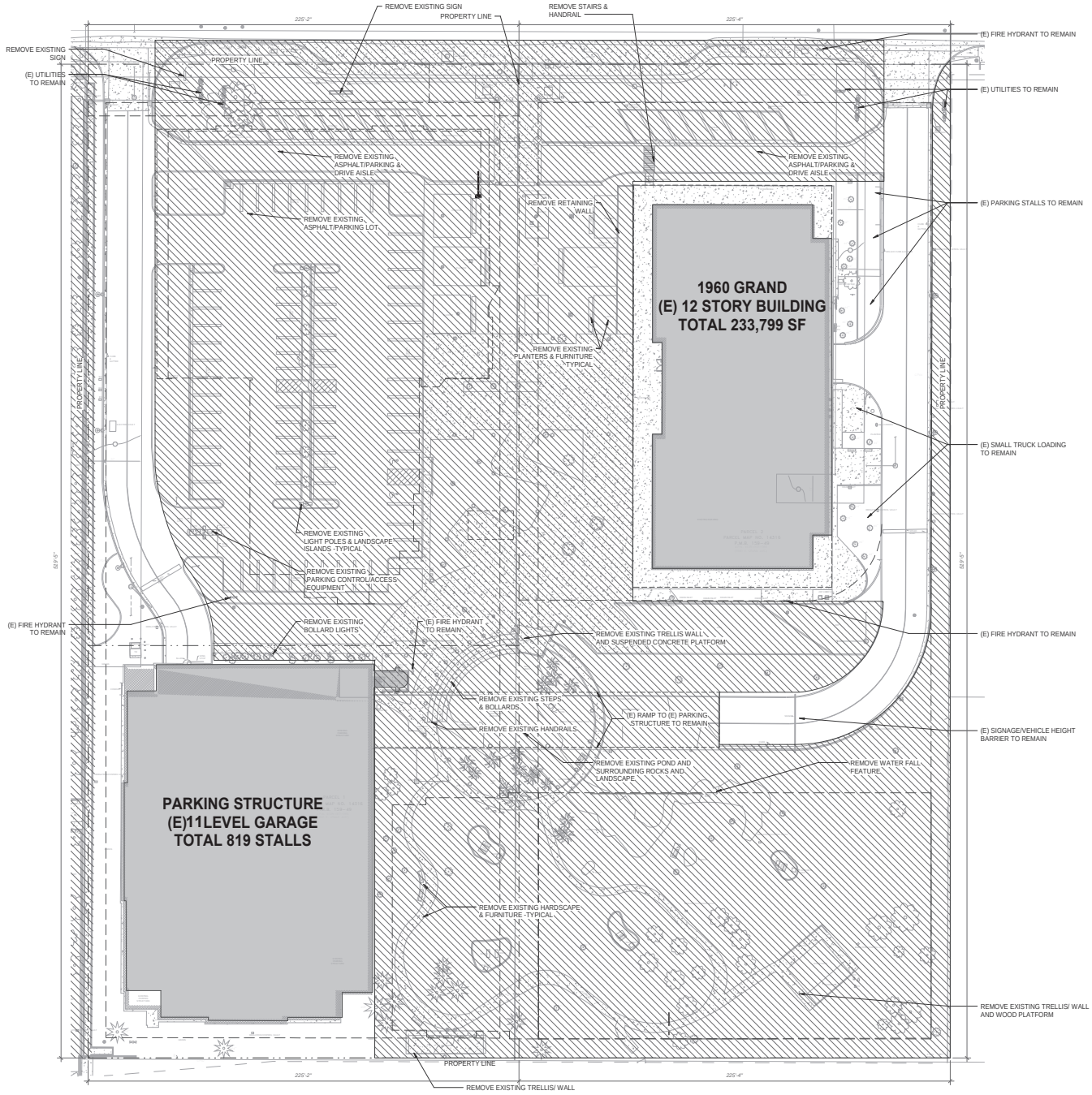

A11_ SITE DEMO PLAN 1

SCALE: 3/64" = 1'-0"

LEGEND

- EXISTING BUILDING
- AREA TO BE REMOVED INCL. PARKING, HARDSCAPE, LANDSCAPE, WATER FEATURES, IRRIGATION, RETAINING WALLS, FURNITURE, SITE LIGHTING, SITE STRUCTURES, AND SITE SIGNAGE U.N.O. (REFER TO LANDSCAPE PLAN FOR INFORMATION ON REMOVAL OF TREES)
- PROPERTY LINE.
- ASSUMED PROPERTY LINE.
- FIRE LANE (HATCHED)
- (1) PARKING STALL COUNT TOTAL

N

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SITE DEMO PLAN

	DATE	REMARKS
C	07/07/2020	PLANNING SUBMITTAL (CLEAN SET)
D	11/20/2020	PLANNING SUBMITTAL

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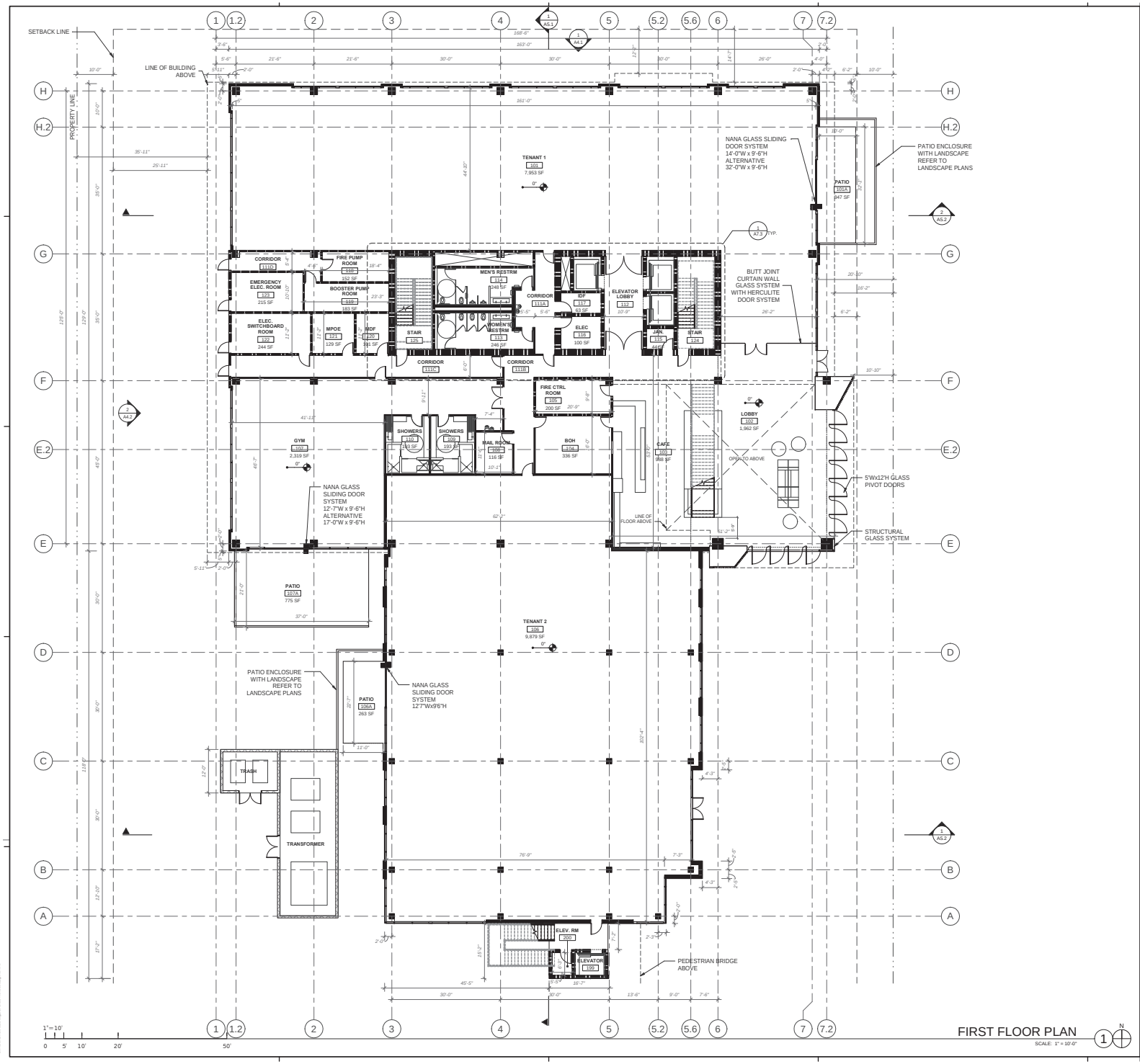

FIRST FLOOR PLAN
SCALE: 1" = 10'-0"

ABBREVIATIONS

BOH: BACK OF HOUSE
MPOE: MINIMUM POINT OF ENTRY
MDF: MAIN DISTRIBUTION FRAME
IDF: INTERMEDIATE DISTRIBUTION FRAME
JAN: JANITOR'S CLOSET
ELEC: ELECTRICAL ROOM

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FIRST FLOOR PLAN

	DATE	REMARKS
A	07/07/2020	PLANNING SUBMITTAL
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D	11/30/2021	PLANNING SUBMITTAL

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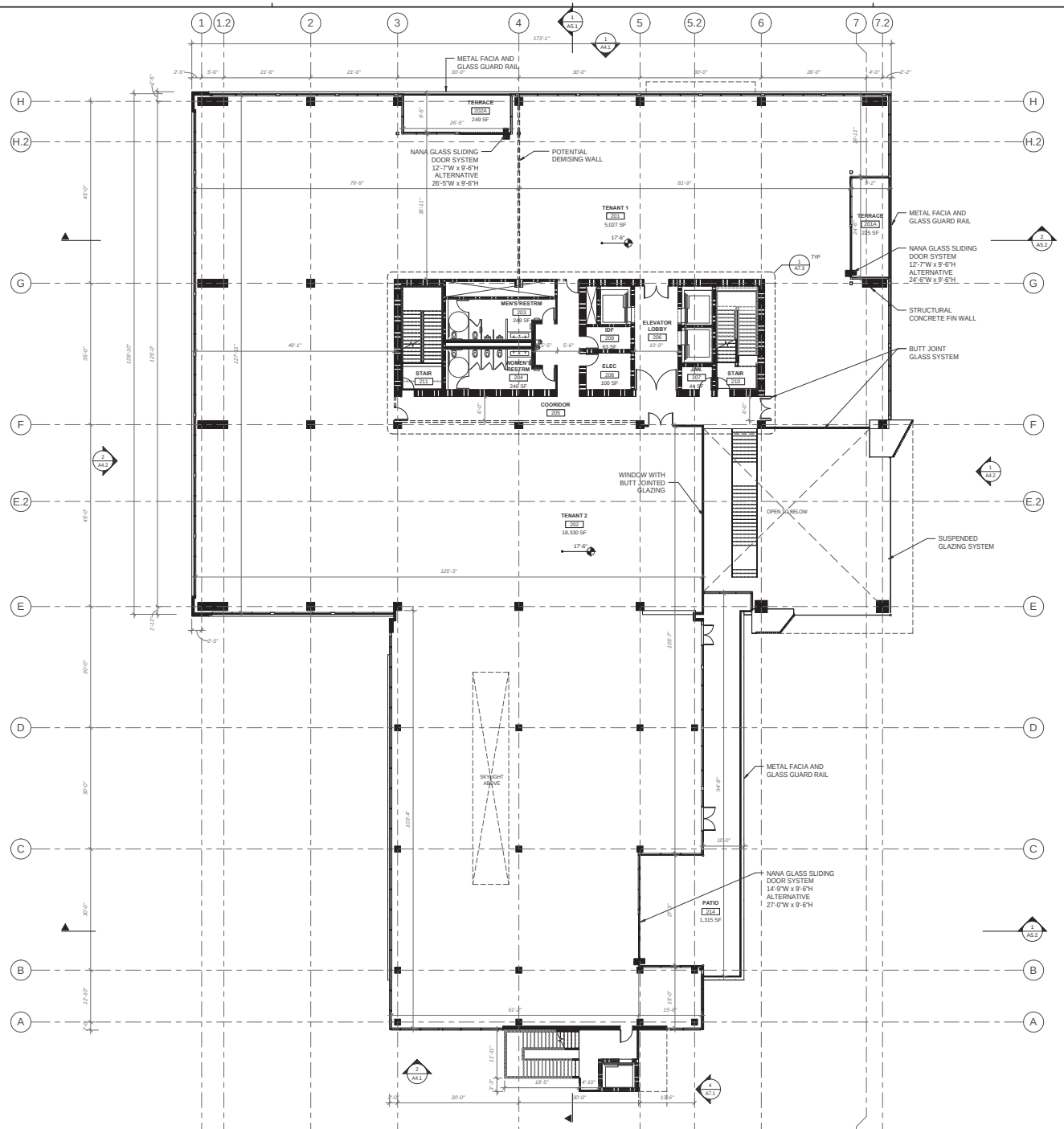

SECOND FLOOR PLAN
SCALE: 1" = 10'-0"

1" = 10'
0 5' 10' 20' 50'

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SECOND FLOOR PLAN

	DATE	REMARKS
C	07/17/2020	PLANNING SUBMITTAL (CLEAN SET)
D	11/20/2021	PLANNING SUBMITTAL

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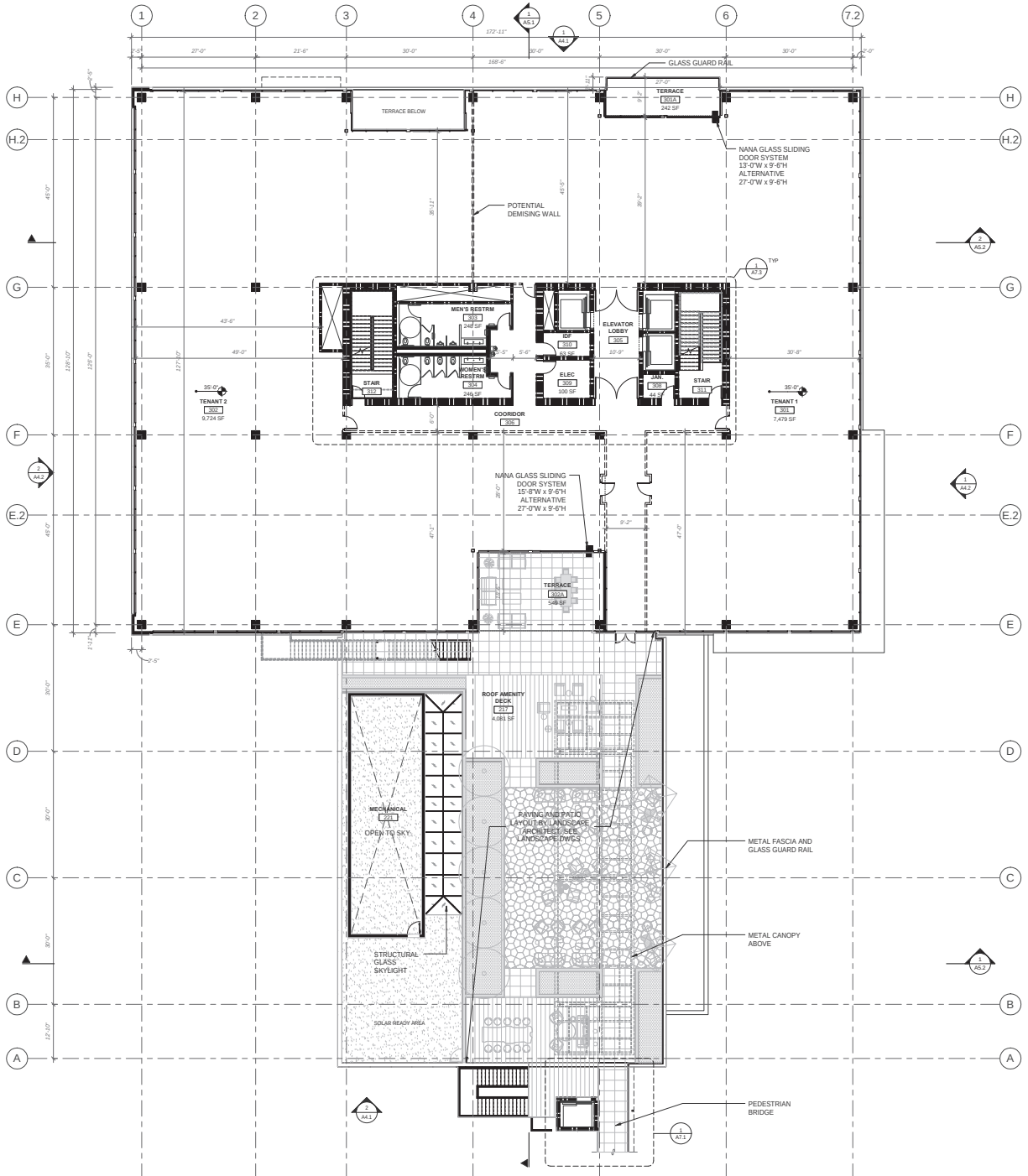

THIRD FLOOR PLAN

SCALE: 1" = 10'-0"

1" = 10'

0 5' 10' 20' 50'

N

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THIRD FLOOR PLAN

	DATE	REMARKS
A	03/10/2021	PLANNING SET/SUBMITTAL
C	05/12/2021	PLANNING SUBMITTAL ADD-EAVA SET)
D	11/05/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY.:	Author
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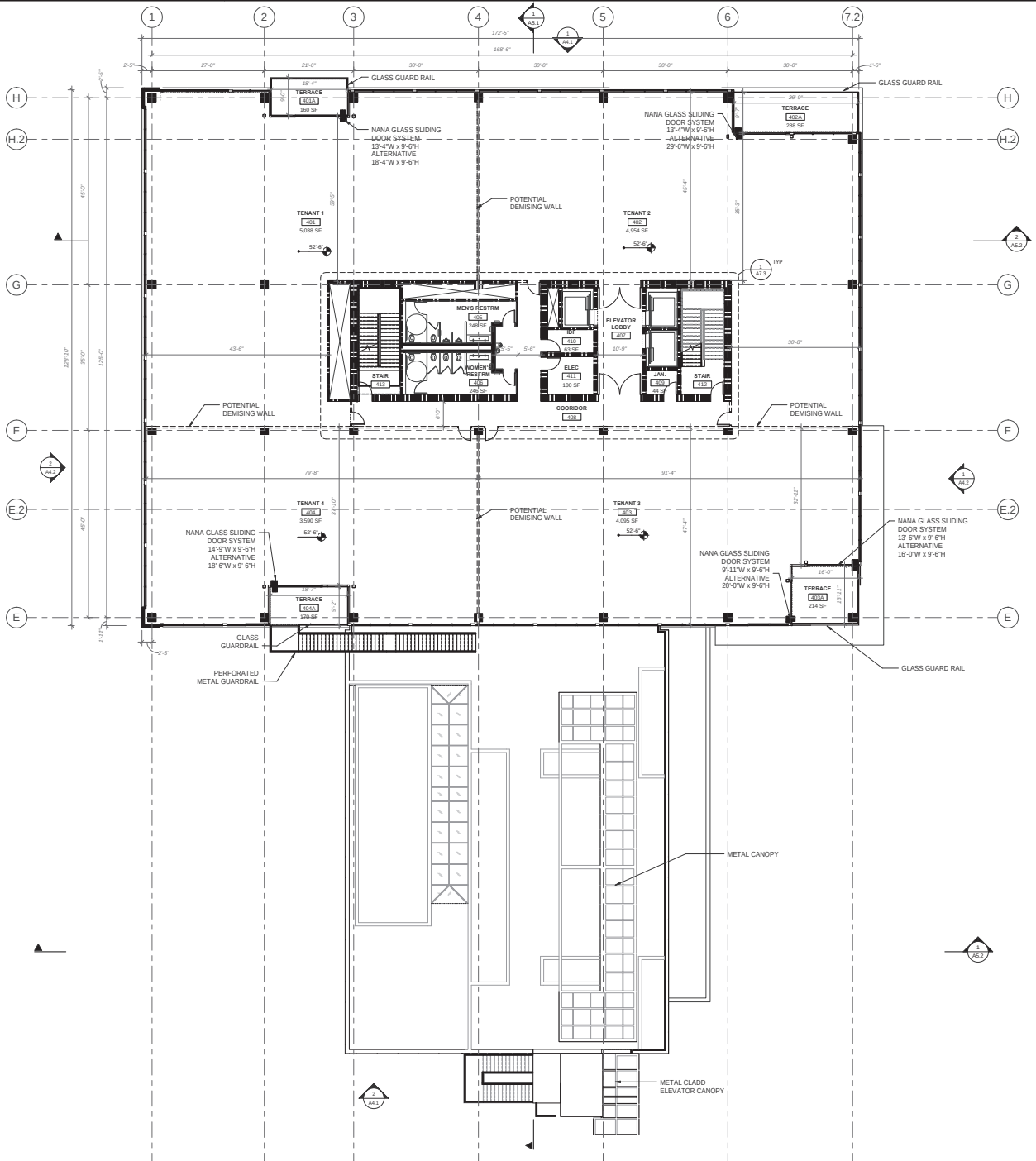

FOURTH FLOOR PLAN
SCALE: 1" = 10'-0"

1"=10'
0 5' 10' 20' 50'

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FOURTH FLOOR PLAN

	DATE	REMARKS
C	07/07/2021	PLANNING SUBMITTAL #2 (SAS 1ST)
D	11/05/2021	PLANNING SUBMITTAL

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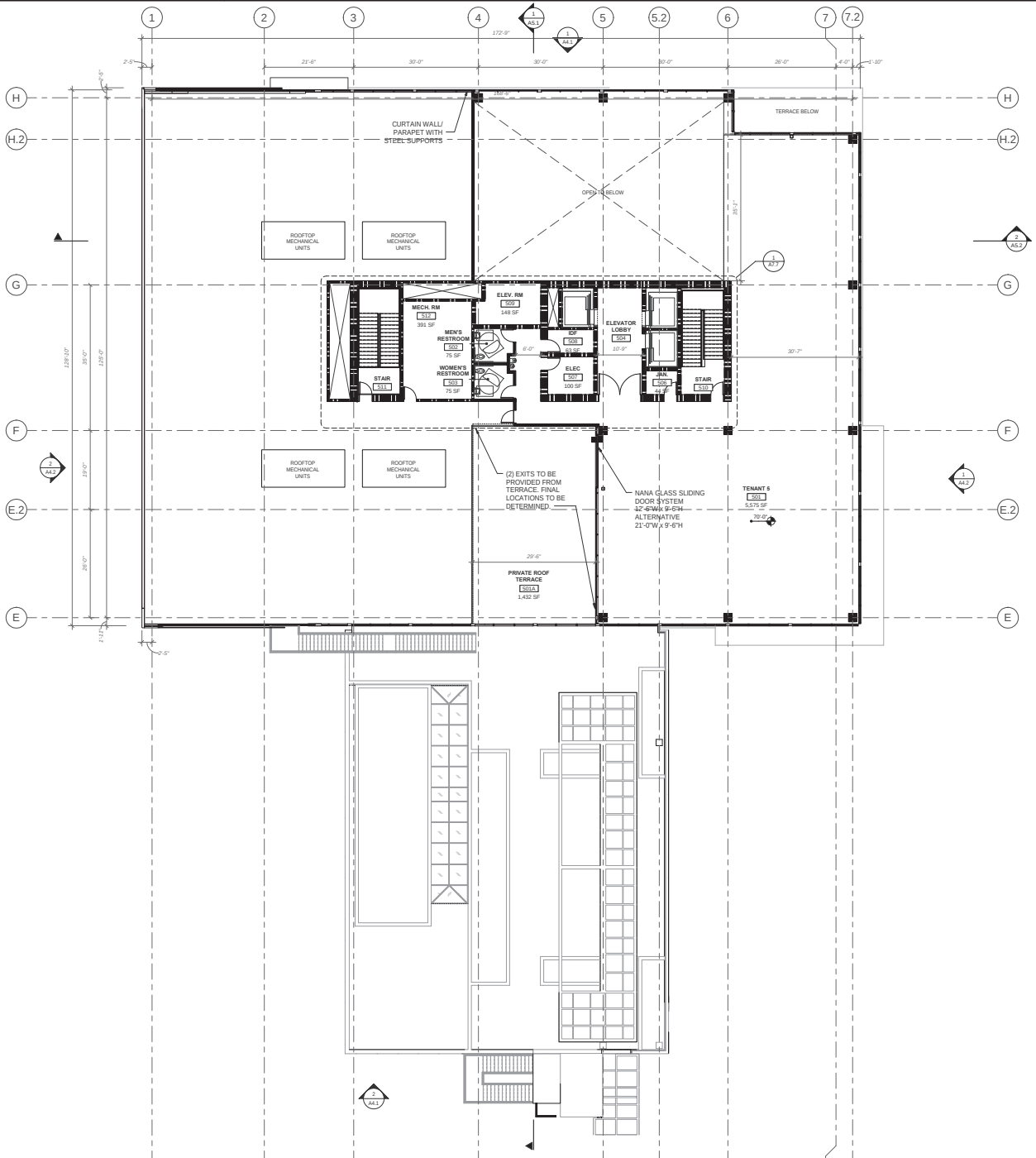

MEZZANINE FLOOR PLAN

SCALE: 1" = 10'-0"

1" = 10'
0 5' 10' 20' 50'

N

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MEZZANINE FLOOR PLAN

	DATE	REMARKS
A	07/12/2021	PLANNING RESUBMITTAL
B	4/7/2021	PLANNING RESUBMITTAL
C	10/21/2021	PLANNING SUBMITTAL (CEQA EAS SET)
D	12/3/2021	PLANNING SUBMITTAL

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DRAWN BY:	Author
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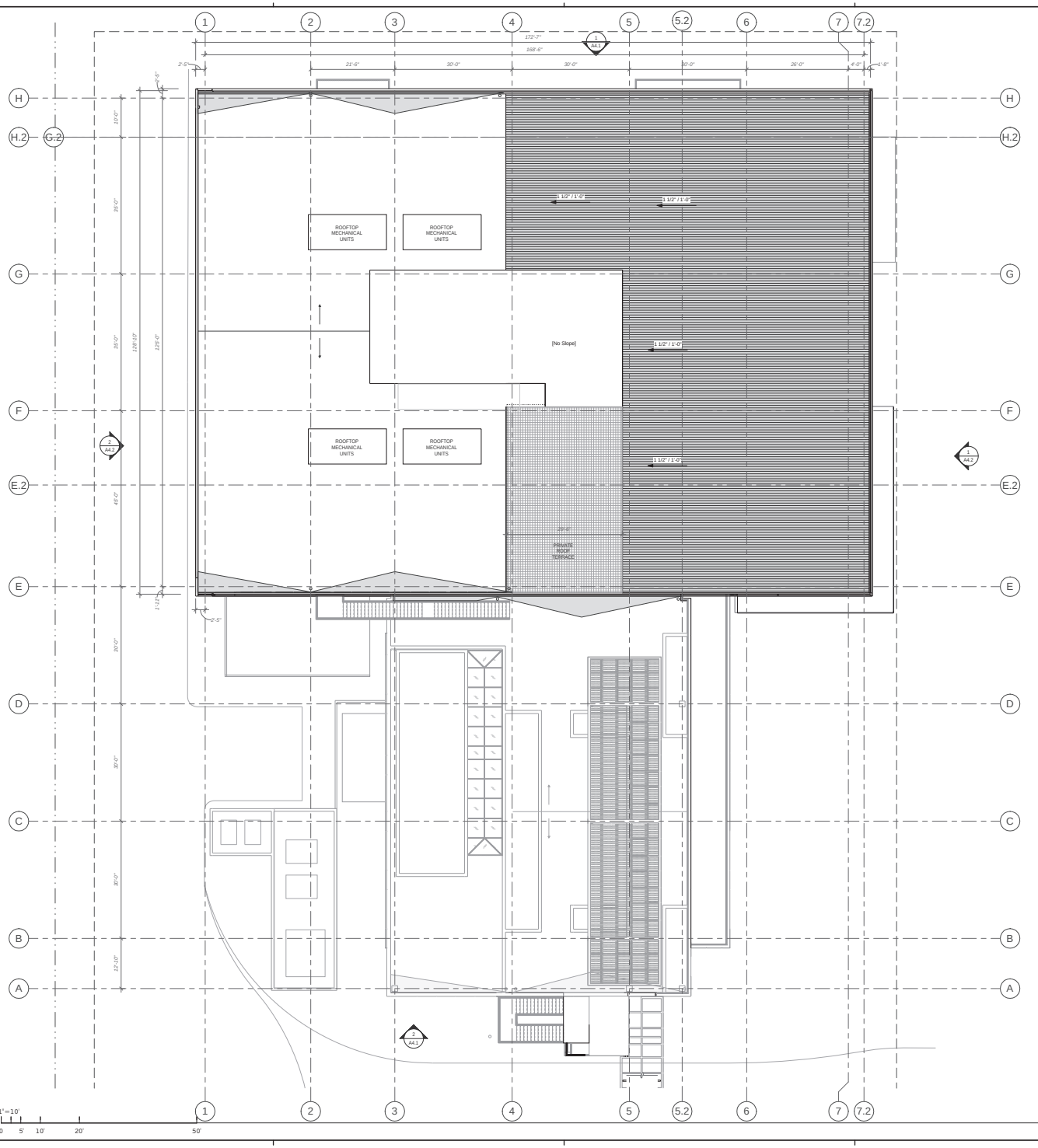
ROOFTOP MECHANICAL UNITS
ROOFTOP MECHANICAL UNITS
ROOFTOP MECHANICAL UNITS
ROOFTOP MECHANICAL UNITS
[No Slope]
PRIVATE ROOF TERRACE
1 1/2" / 1'-0"
1 1/2" / 1'-0"
1 1/2" / 1'-0"

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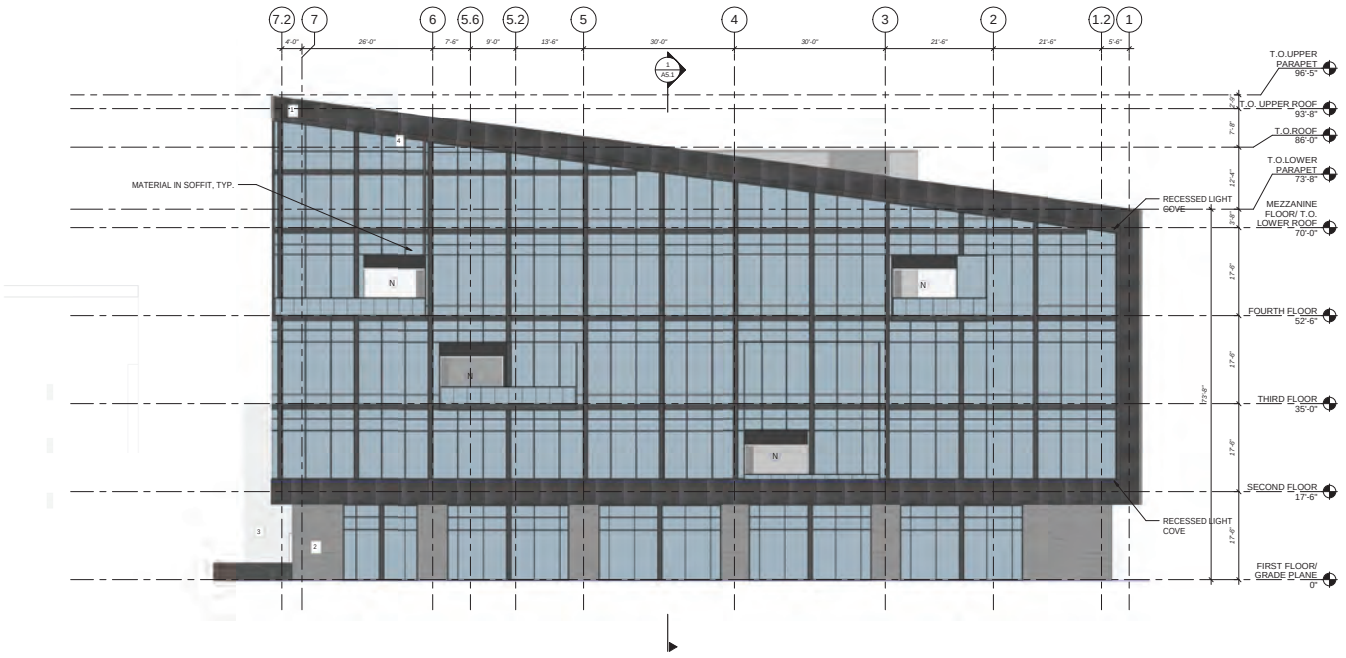
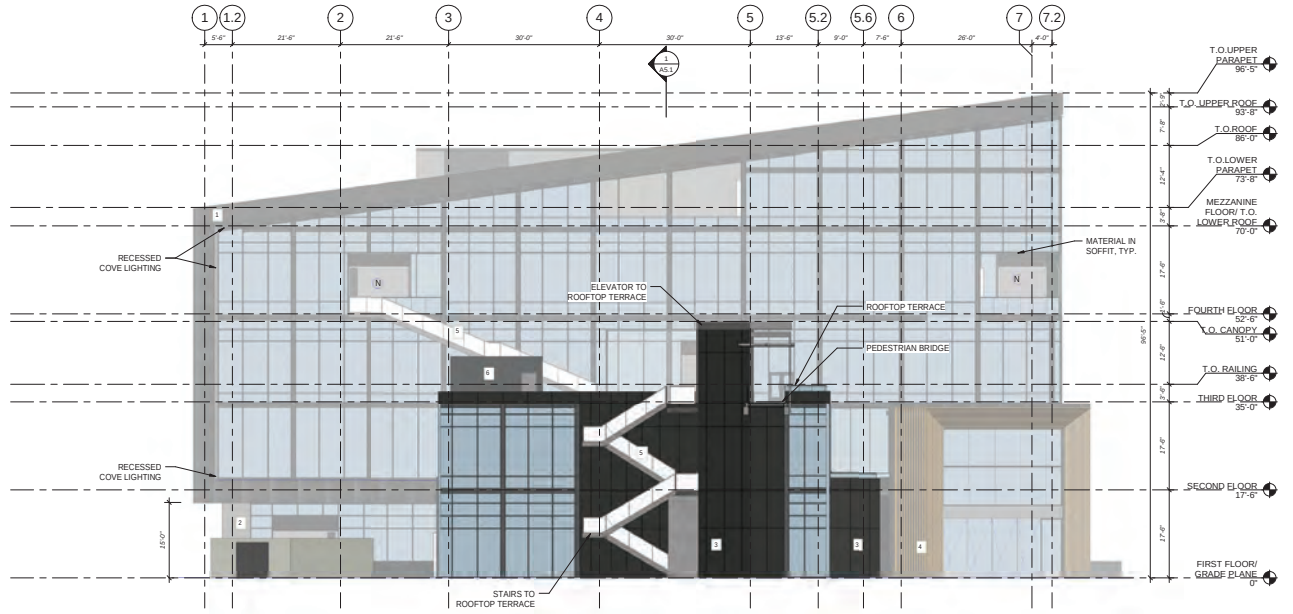


1"=10'
0 5' 10' 20' 50'

NORTH EXTERIOR ELEVATION
SCALE: 1" = 10'-0"
1



1"=10'
0 5' 10' 20' 50'

SOUTH EXTERIOR ELEVATION
SCALE: 1" = 10'-0"
2

KEYNOTES:

SEE SHEET A0.2 FOR GENERAL NOTES

LEGEND

MATERIALS:

- ROUGH SAWN BOARD FORM CONCRETE CAST CONCRETE (2)
- MTL 1 DRY JOINT SYSTEM PURE + FREEFORM OLD DIRTY BRONZE (1)
- AL-1 PPFG VALSPAR BLACK 398F019 (3)
- MTL 5 METAL PANEL MORIN STANDING SEAM ROOF (7)
- AL-2 KNOTWOOD WOOD LOOK ALUMINUM KNOTTY PINE (4)
- MTL 4 METAL PANEL MORIN CORRUGATED ROOF SCREEN (6)
- MTL 2 PERFORATED METAL PANEL AMICO BILBAO PERFORATED (5)

GLASS:

- LOW-E CLEAR, THERMALLY BROKEN ALUMINUM CURTAIN WALL GLAZING SYSTEM W/ PTD SHADOW BOX PANEL
- SUSPENDED GLAZING SYSTEM
- (N) NANAWALL FOLDING DOOR SYSTEM PAINTED TO MATCH MTL-1

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EXTERIOR ELEVATIONS

	DATE	REMARKS
A	07/17/2020	PLANNING SUBMITTAL
C	05/12/2020	PLANNING SUBMITTAL AS (AS-1 SET)
D	11/XX/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY:	Author
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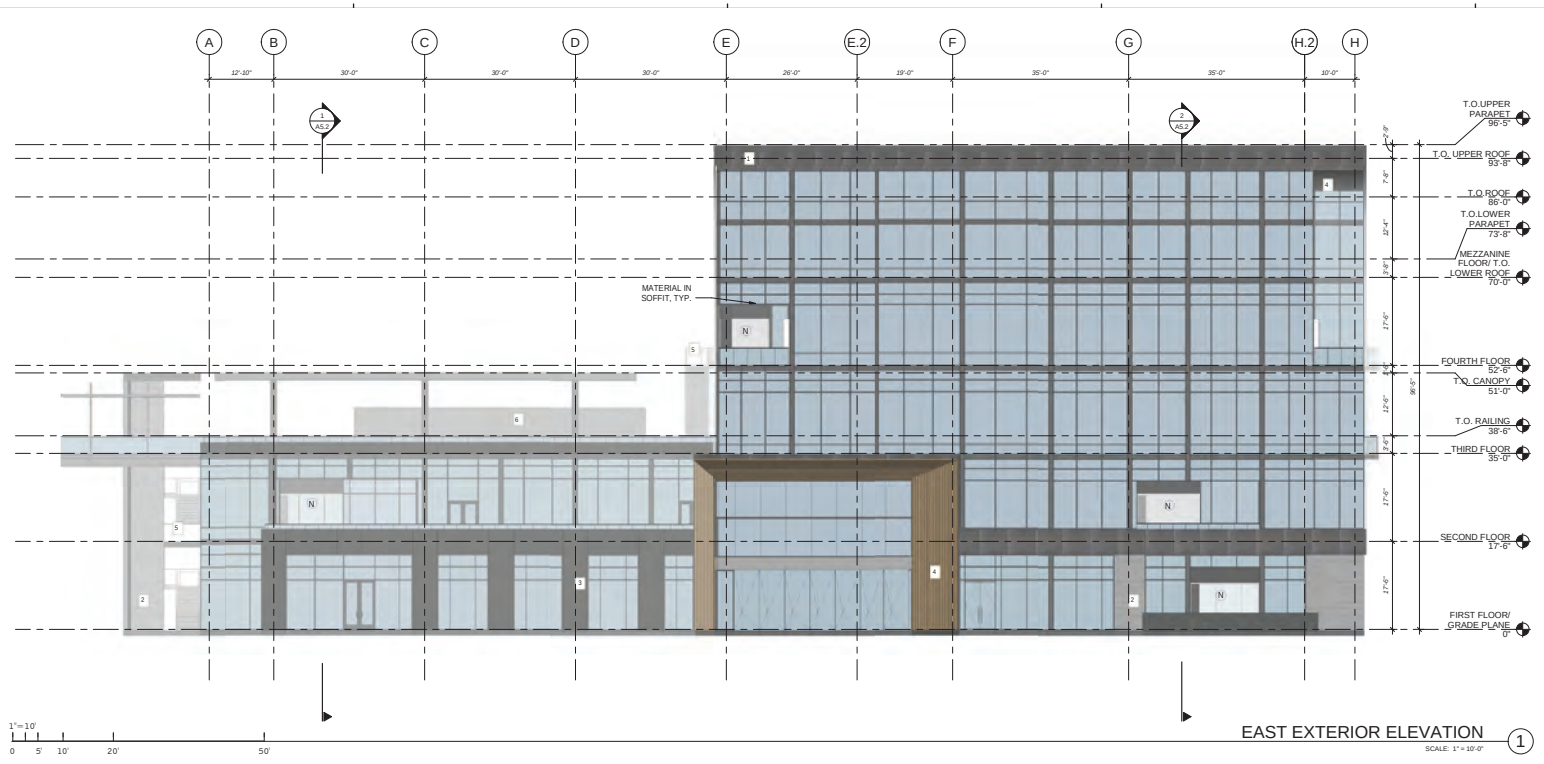
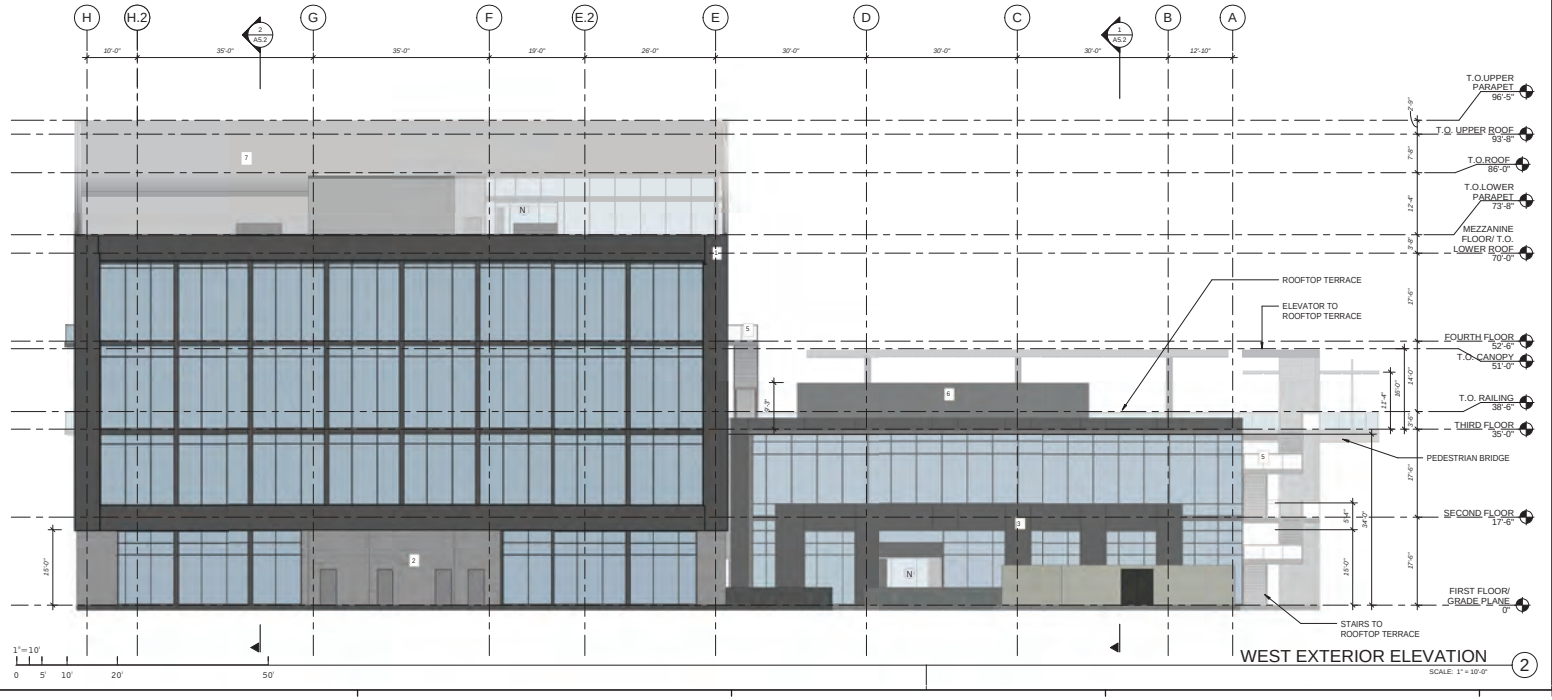


EAST EXTERIOR ELEVATION 1

SCALE: 1" = 10'-0"



WEST EXTERIOR ELEVATION 2

SCALE: 1" = 10'-0"

KEYNOTES:

SEE SHEET A0.2 FOR GENERAL NOTES

LEGEND

MATERIALS:

- ROUGH SAWN BOARD FORM CONCRETE CAST CONCRETE (2)
- MTL 1 DRY JOINT SYSTEM PURE = FREEFORM OLD DIRTY BRONZE (1)
- AL-1 PPFG VALSPAR BLACK 398F019 (3)
- MTL 5 METAL PANEL MORIN STANDING SEAM ROOF (7)
- AL-2 KNOTWOOD WOOD LOOK ALUMINUM KNOTTY PINE (4)
- MTL 4 METAL PANEL MORIN CORRUGATED ROOF SCREEN (6)
- MTL 2 PERFORATED METAL PANEL AMICO BILBAO PERFORATED (5)

GLASS:

- LOW-E CLEAR, THERMALLY BROKEN ALUMINUM CURTAIN WALL GLAZING SYSTEM W/ PTD SHADOW BOX PANEL
- SUSPENDED GLAZING SYSTEM
- (N) NANAWALL FOLDING DOOR SYSTEM PAINTED TO MATCH MTL-1

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EXTERIOR ELEVATIONS

	DATE	REMARKS
A	07/07/2020	PLANNING RFDS SUBMITTAL
C	09/17/2020	PLANNING SUBMITTAL #2 (AS-1 SET)
D	11/30/2021	PLANNING SUBMITTAL

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JOB NO.:	LAX20-0012-00

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KEYNOTES:
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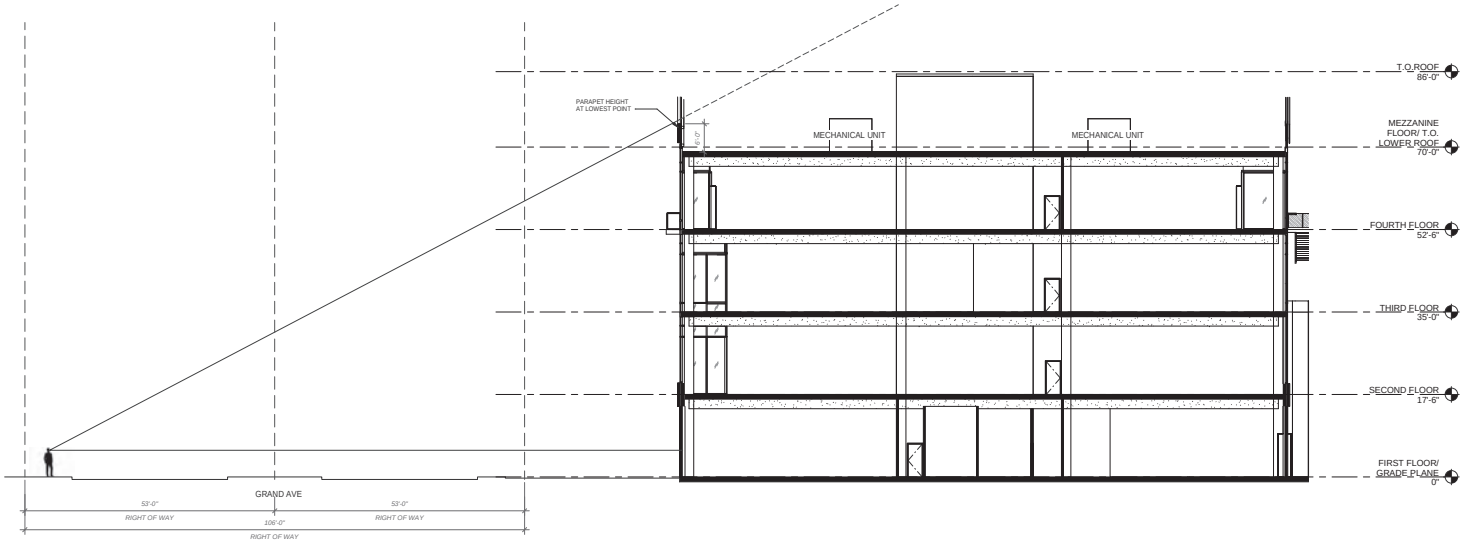
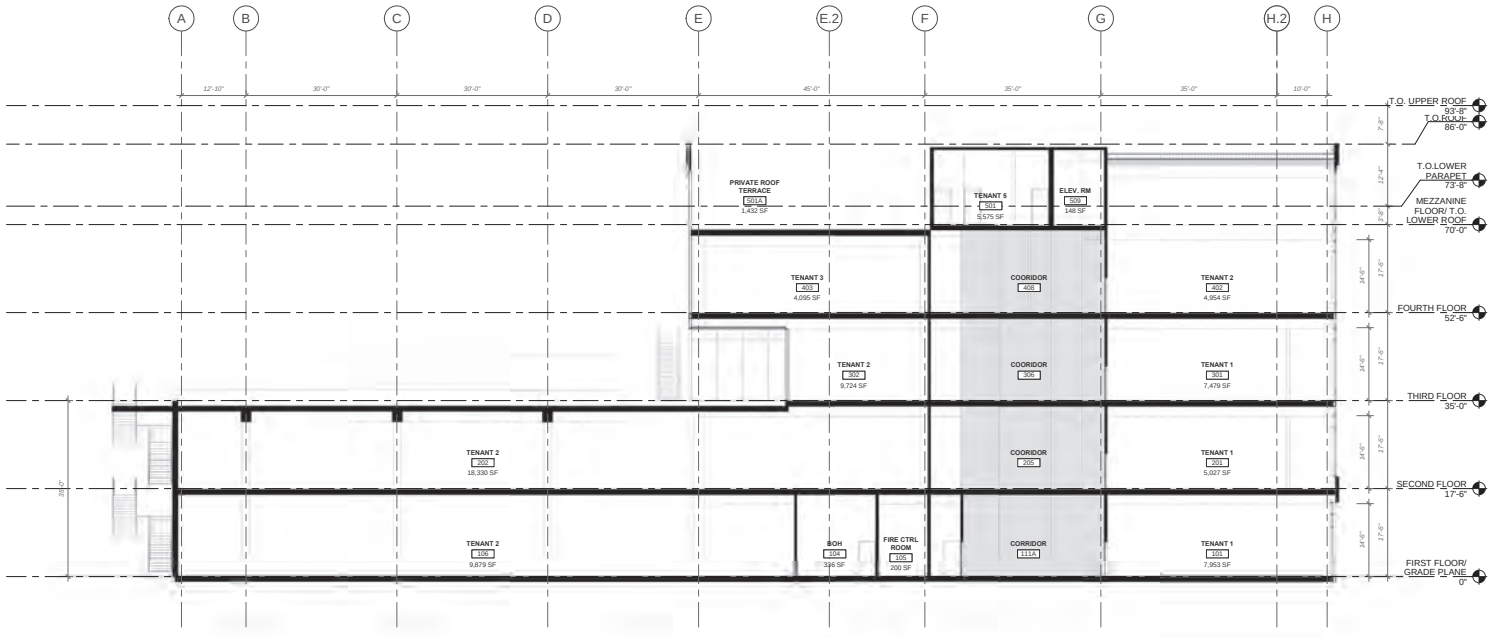


SITE LINE DIAGRAM
SCALE: 3/32" = 1'-0"
2



LONGITUDINAL BUILDING SECTION
SCALE: 1" = 10'-0"
1

1" = 10'
0 5' 10' 20' 50'

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BUILDING SECTIONS

	DATE	REMARKS
A	07/16/2021	PLANNING RESUBMITTAL
B	4/7/2021	PLANNING RESUBMITTAL
C	10/1/2021	PLANNING SUBMITTAL (CEQA NEW SET)
D	12/6/2021	PLANNING SUBMITTAL

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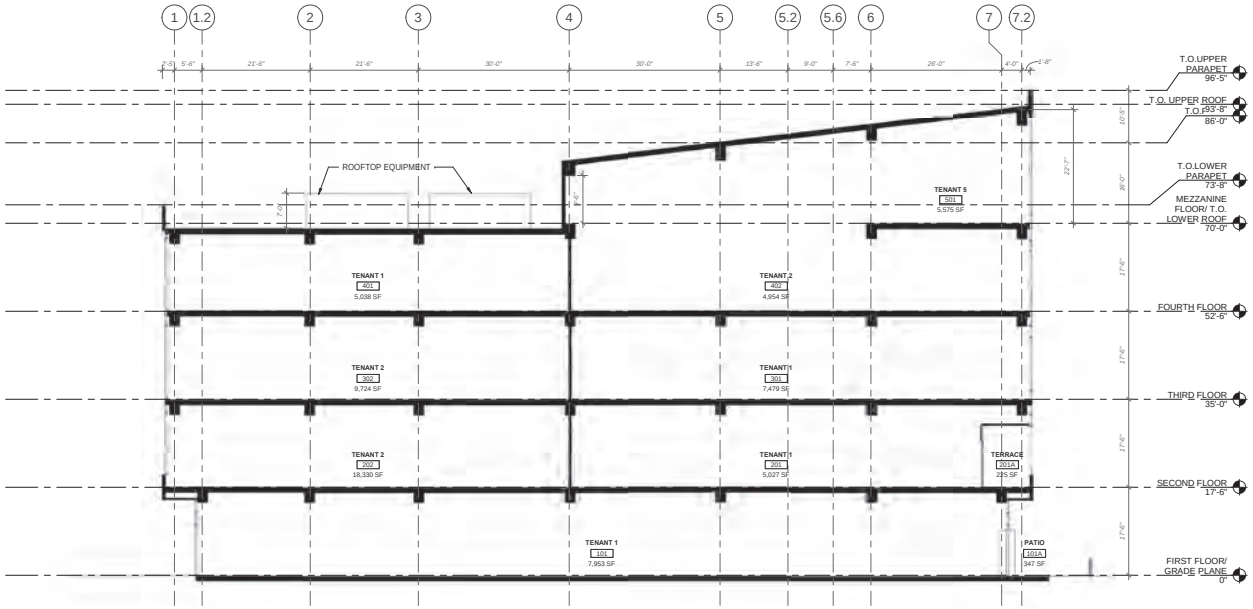
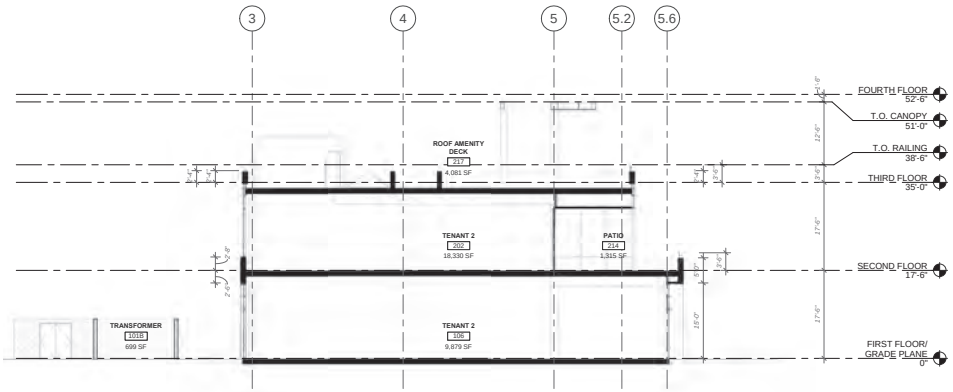


1"=10'
0 5' 10' 20' 50'

TRANSVERSE BUILDING SECTION
SCALE: 1" = 10'-0"
2



1"=10'
0 5' 10' 20' 50'

TRANSVERSE BUILDING SECTION
SCALE: 1" = 10'-0"
1

KEYNOTES:
SEE SHEET A0.2 FOR GENERAL NOTES

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BUILDING SECTIONS

	DATE	REMARKS
C	07/07/2020	PLANNING SUBMITTAL (SLEAN STD)
D	11/20/2020	PLANNING SUBMITTAL

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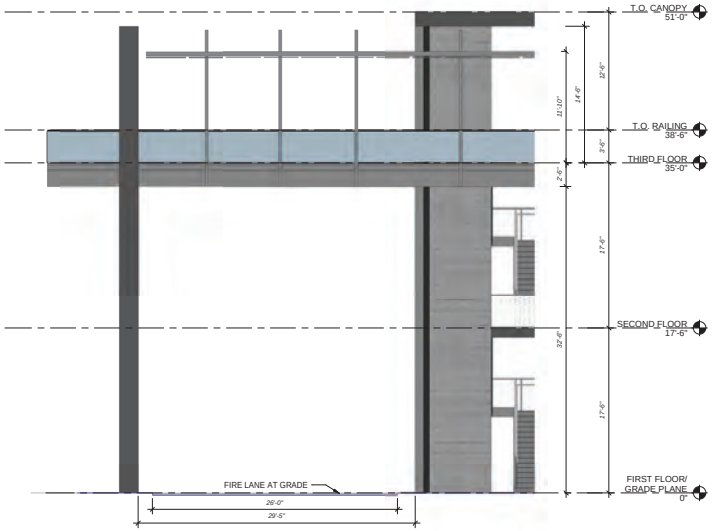
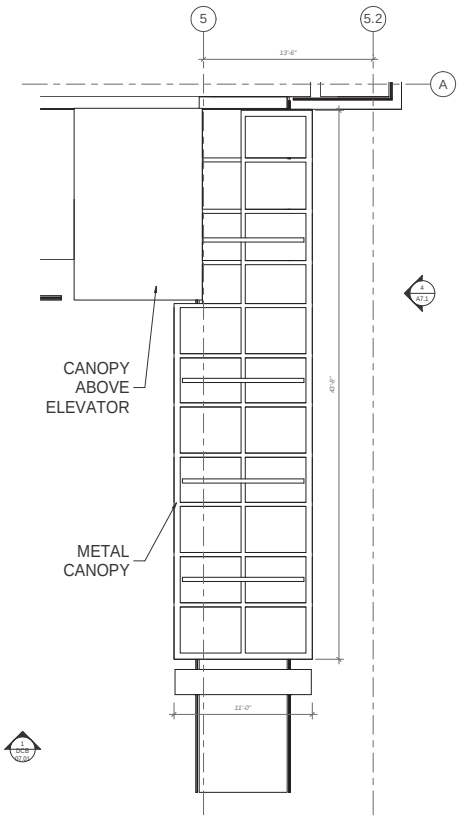
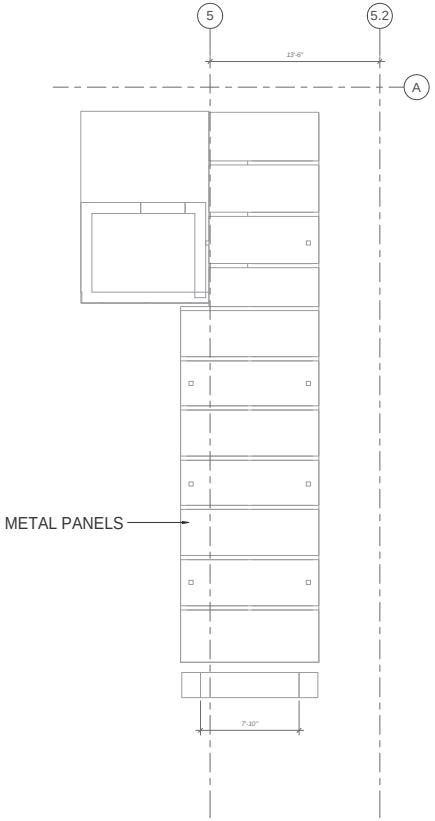


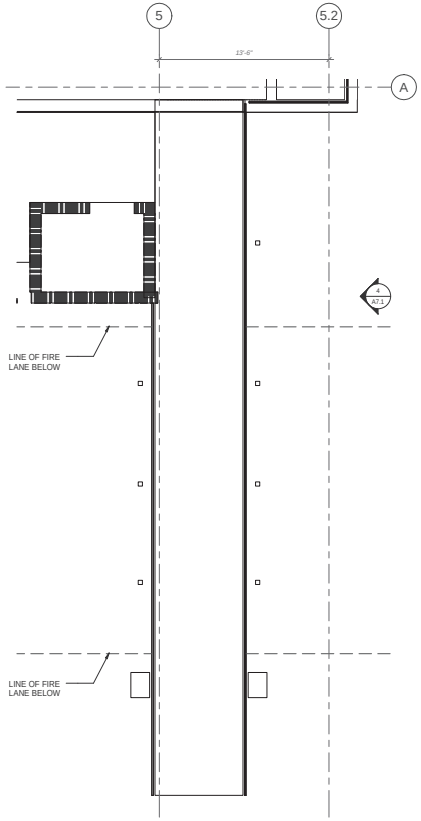
EAST BRIDGE ELEVATION 4
SCALE: 3/16" = 1'-0"



ENLARGED BRIDGE ROOF PLAN 3
SCALE: 1/4" = 1'-0"



ENLARGED BRIDGE RCP 2
SCALE: 1/4" = 1'-0"



ENLARGED BRIDGE PLAN 1
SCALE: 1/4" = 1'-0"

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ENLARGED BRIDGE PLAN, ROOF PLAN & RCP

	DATE	REMARKS
A	03/17/2023	PLANNING SITE SUBMITTAL
C	05/12/2023	PLANNING SUBMITTAL ADD-ON SET
D	11/30/2023	PLANNING SUBMITTAL

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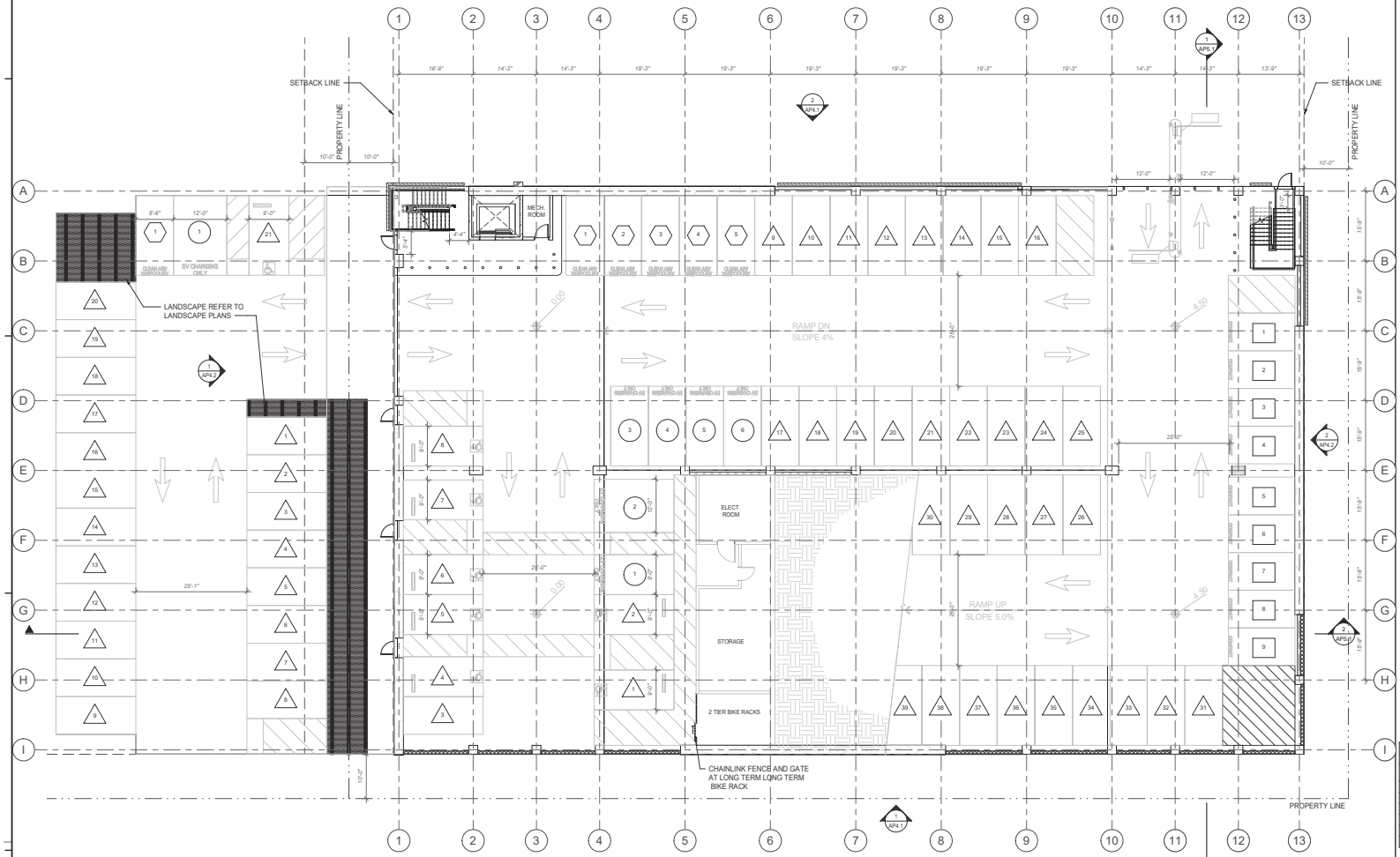


FIRST FLOOR PARKING PLAN

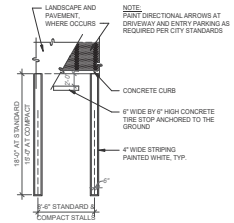
SCALE: 1" = 10'-0"

1"=10'
0 5' 10' 20' 50'

KEYNOTES:

DETAILS

TYPICAL PARKING STALL



LEGEND

- PROPERTY LINE
- SETBACK LINE
- DIRECTION OF TRAFFIC
- 8'-2" MIN. CLEAR HEIGHT
- ENCLOSURE/ ARCHITECTURAL SECURITY GRILLES (25% OPEN FOR VENTILATION)
- 8' TALL LANDSCAPE BARRIER. REFER TO LANDSCAPE DRAWINGS.
- (1) ELECTRICAL VEHICLE CHARGING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- [1] COMPACT PARKING STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- 1 FULL SIZE PARKING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- (1) CLEAN AIR STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- (1) MOTORCYCLE

NOTE: REFER TO PLANS FOR ACCESSIBLE STALL DIMENSIONS

PARKING GARAGE SCHEDULE

LEVELS	ACCESSIBLE STALLS	EV STANDARD	CLEAN AIR/EV	COMPACT STALLS	STANDARD STALLS	MOTORCYCLE STALLS	TOTAL STALLS
FIRST FLOOR	7	6	5	9	32	-	59
SECOND FLOOR	-	10	-	10	63	3	83
THIRD FLOOR	-	-	-	10	73	3	83
FOURTH FLOOR	-	-	-	-	33	3	33
TOTAL STALLS	7	16	5	29	201	9	267

PARKING SURFACE LOT SCHEDULE

LEVELS	ACCESSIBLE STALLS	EV STANDARD	CLEAN AIR/EV	COMPACT STALLS	STANDARD STALLS	TOTAL STALLS
FIRST FLOOR	1	1	1	-	20	23

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FIRST FLOOR PARKING PLAN

	DATE	REMARKS
A	03/10/2021	PLANNING RESUBMITTAL
B	4/7/2021	PLANNING RESUBMITTAL
C	10/1/2021	PLANNING SUBMITTAL (CLEAN SET)
D	12/22/2021	PLANNING SUBMITTAL

PA/PM:	Approver
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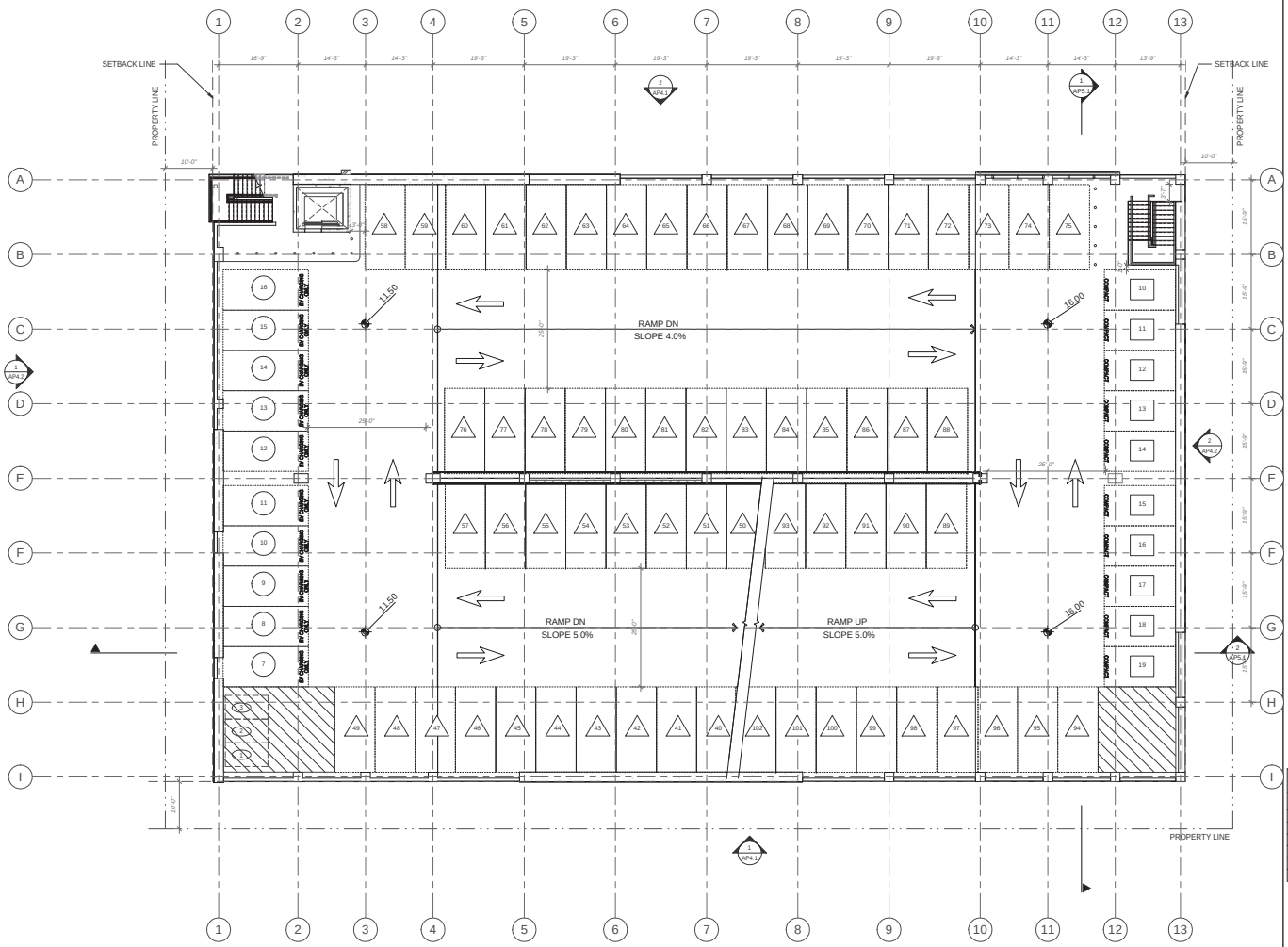

KEYNOTES:

LEGEND

- PROPERTY LINE
- SETBACK LINE
- DIRECTION OF TRAFFIC
- 8'-2" MIN. CLEAR HEIGHT
- (1) ELECTRICAL VEHICLE CHARGING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- [1] COMPACT PARKING STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- 1 FULL SIZE PARKING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- (1) CLEAN AIR STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- 1 MOTORCYCLE

NOTE: REFER TO PLANS FOR ACCESSIBLE STALL DIMENSIONS

PARKING GARAGE SCHEDULE

LEVELS	ACCESSIBLE STALLS	EV STANDARD	CLEAN AIR/EV	COMPACT STALLS	STANDARD STALLS	MOTORCYCLE STALLS	TOTAL STALLS
FIRST FLOOR	7	6	5	9	32	-	59
SECOND FLOOR	-	10	-	10	63	3	83
THIRD FLOOR	-	-	-	10	73	3	83
FOURTH FLOOR	-	-	-	-	33	3	33
TOTAL STALLS	7	16	5	29	201	9	267

1" = 10'
0 5' 10' 20' 50'

SECOND FLOOR PARKING PLAN
SCALE: 1" = 10'-0"

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SECOND FLOOR PARKING PLAN

	DATE	REMARKS
A	4/2021	PLANNING RFS SUBMITTAL
B	05/12/2021	PLANNING SUBMITTAL #2 (AQ & SET)
C		
D	11/30/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY.:	Author
JOB NO.:	LAX20-0012-00

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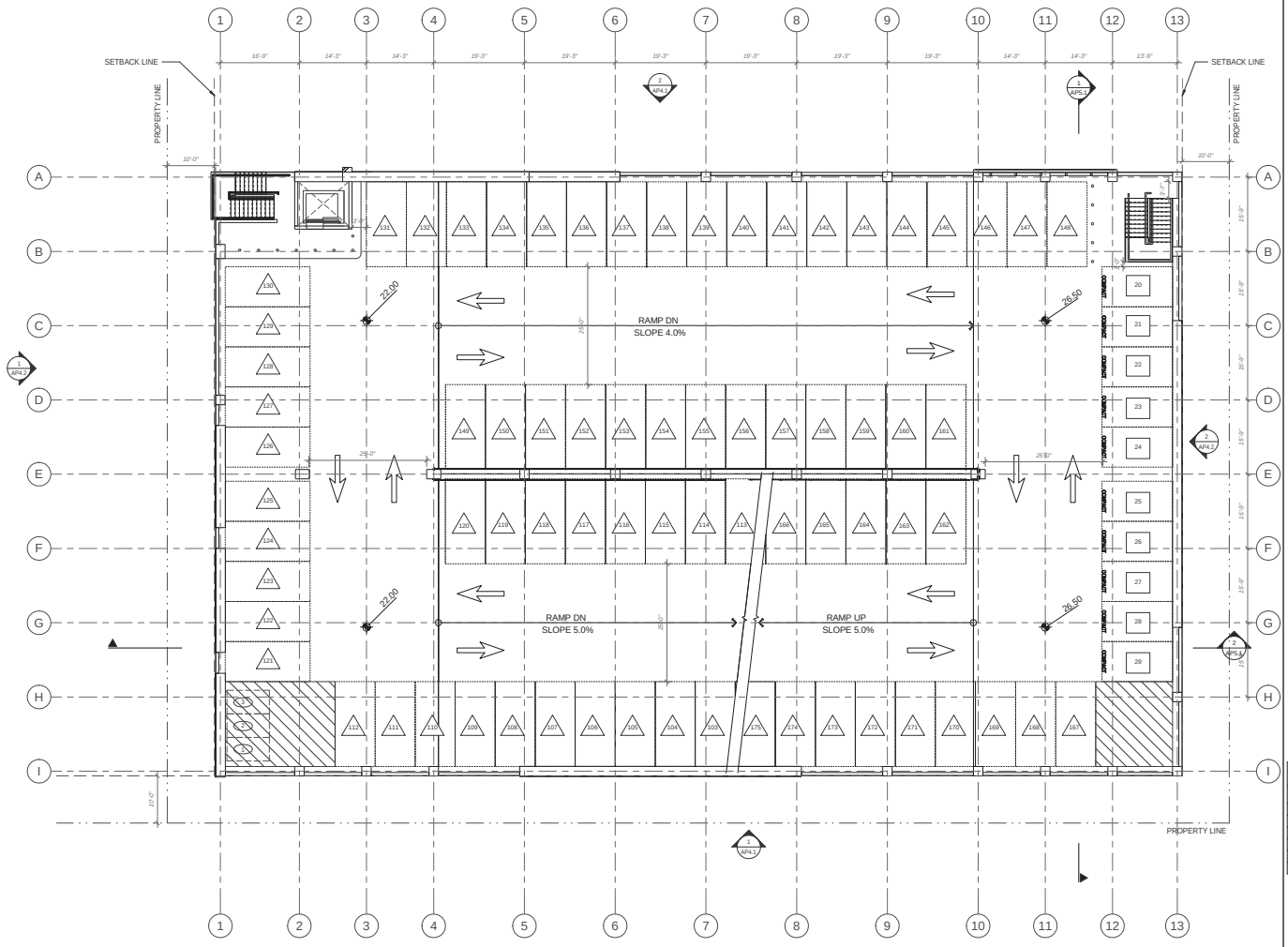

THIRD PARKING FLOOR PLAN

SCALE: 1" = 10'-0"

KEYNOTES:

LEGEND

- PROPERTY LINE
- SETBACK LINE
- DIRECTION OF TRAFFIC
- 8'-2" MIN. CLEAR HEIGHT
- ELECTRICAL VEHICLE CHARGING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- COMPACT PARKING STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- FULL SIZE PARKING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- CLEAN AIR STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- MOTORCYCLE

NOTE: REFER TO PLANS FOR ACCESSIBLE STALL DIMENSIONS

PARKING GARAGE SCHEDULE

LEVELS	ACCESSIBLE STALLS	EV STANDARD	CLEAN AIR/EV	COMPACT STALLS	STANDARD STALLS	MOTORCYCLE STALLS	TOTAL STALLS
FIRST FLOOR	7	6	5	9	32	-	59
SECOND FLOOR	-	10	-	10	63	3	83
THIRD FLOOR	-	-	-	10	73	3	83
FOURTH FLOOR	-	-	-	-	33	3	33
TOTAL STALLS	7	16	5	29	201	9	267

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THIRD FLOOR PARKING PLAN

	DATE	REMARKS
B	4/7/2021	PLANNING RFS SUBMITTAL
C	05/12/2020	PLANNING SUBMITTAL #2 (CALS SET)
D	11/20/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY.:	Author
JOB NO.:	LAX20-0012-00

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AP2.3

5/14/2021 10:29:25 AM

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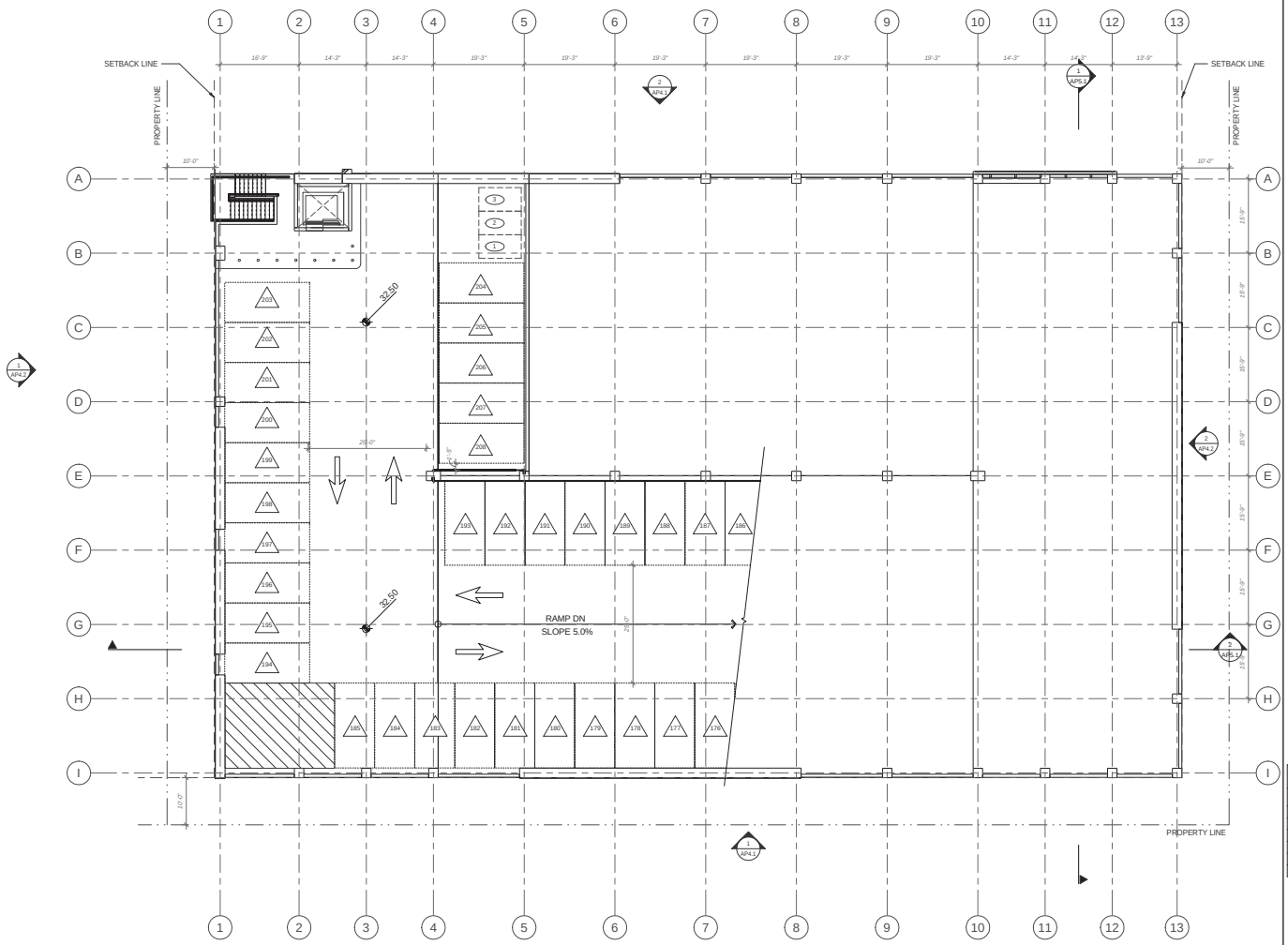

FOURTH PARKING FLOOR PLAN

SCALE: 1" = 10'-0"

1" = 10'
0 5' 10' 20' 50'

N

KEYNOTES:

LEGEND

- PROPERTY LINE
- SETBACK LINE
- DIRECTION OF TRAFFIC
- 8'-2" MIN. CLEAR HEIGHT
- (1) ELECTRICAL VEHICLE CHARGING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- [1] COMPACT PARKING STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- 1 FULL SIZE PARKING STALL SIZE: 8'-6" x 18'-0" UNLESS NOTED OTHERWISE
- (1) CLEAN AIR STALL SIZE: 8'-6" x 15'-0" UNLESS NOTED OTHERWISE
- (1) MOTORCYCLE

NOTE: REFER TO PLANS FOR ACCESSIBLE STALL DIMENSIONS

PARKING GARAGE SCHEDULE

LEVELS	ACCESSIBLE STALLS	EV STANDARD	CLEAN AIR/EV	COMPACT STALLS	STANDARD STALLS	MOTORCYCLE STALLS	TOTAL STALLS
FIRST FLOOR	7	6	5	9	32	-	59
SECOND FLOOR	-	10	-	10	63	3	83
THIRD FLOOR	-	-	-	10	73	3	83
FOURTH FLOOR	-	-	-	-	33	3	33
TOTAL STALLS	7	16	5	29	201	9	267

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FOURTH FLOOR PARKING PLAN

	DATE	REMARKS
A	03/31/2021	PLANNING RESUBMITTAL
B	4/7/2021	PLANNING RESUBMITTAL
C	7/23/2021	PLANNING SUBMITTAL (CLEAN SET)
D	12/15/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY:	Author
JOB NO.:	LAX20-0012-00

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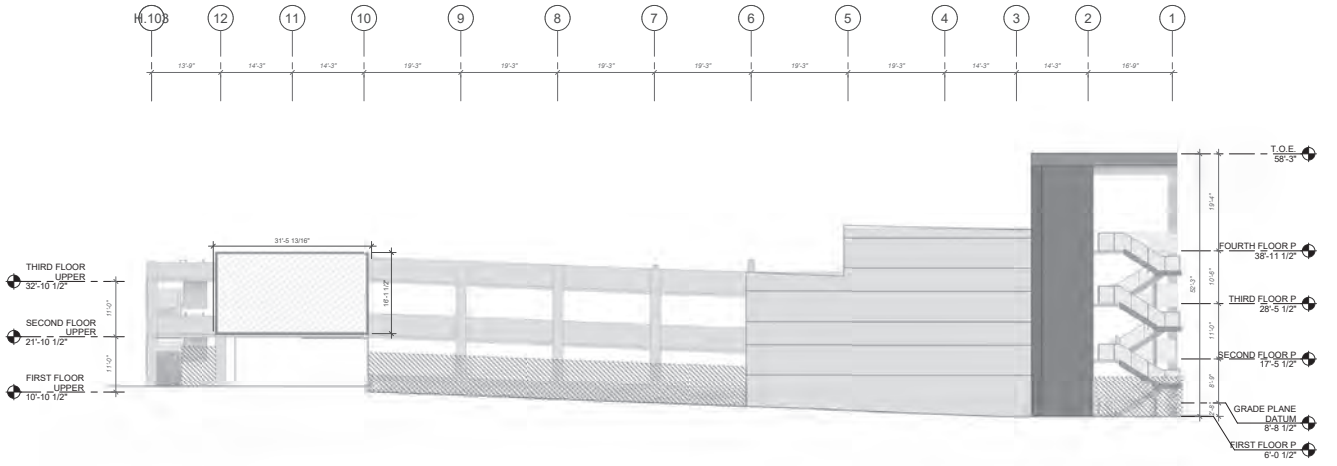
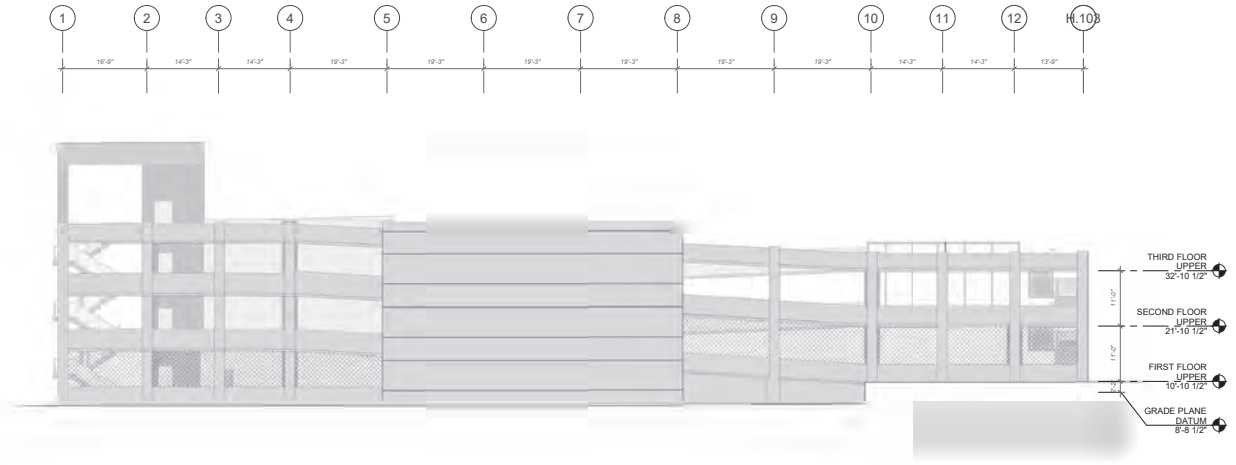


1"=10'
0 5' 10' 20' 50'

NORTH PARKING ELEVATION (2)
SCALE: 1" = 10'-0"



1"=10'
0 5' 10' 20' 50'

SOUTH PARKING ELEVATION (1)
SCALE: 1" = 10'-0"

KEYNOTES:

SEE SHEET A0.2 FOR GENERAL NOTES

LEGEND

MATERIALS:

- ROUGH SAWN BOARD FORM CONCRETE CAST CONCRETE
- MTL 1 DRY JOINT SYSTEM PURE + FREEFORM OLD DIRTY BRONZE
- PERFORATED METAL PANEL RAILING
- ENCLOSURE/ ARCHETCTURAL SECURITY GRILLES (25% OPEN FOR VENTILATION)
- 8' TALL LANDSCAPE BARRIER. REFER TO LANDSCAPE DRAWINGS.

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El Segundo, California

PARKING EXTERIOR ELEVATIONS

	DATE	REMARKS
C	07/01/2021	PLANNING SUBMITTAL (OLD GAS STA)
D	11/30/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY:	Author
JOB NO.:	LAX20-0012-00

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11/24/2021 2:10:52 PM

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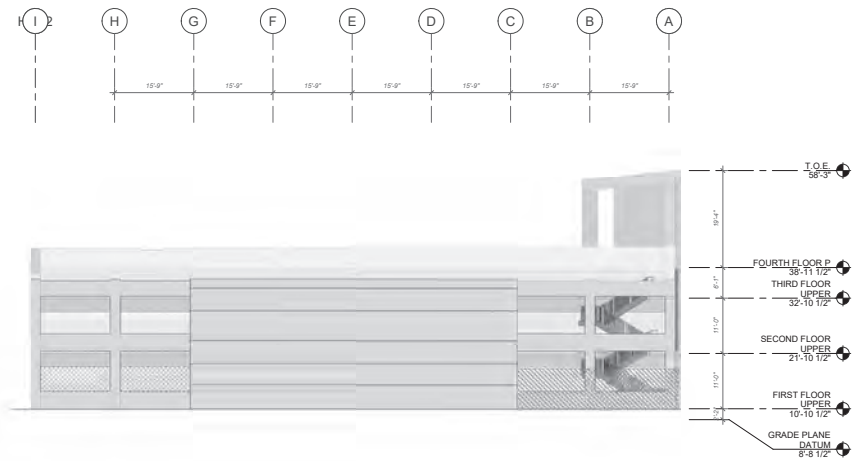
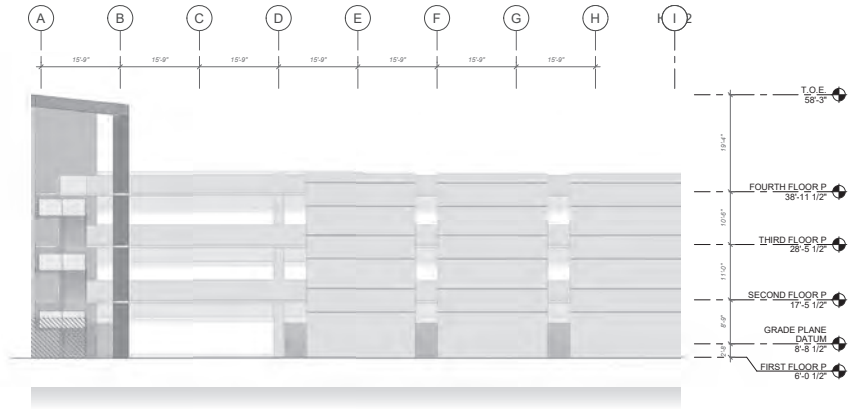


1"=10'
0 5' 10' 20' 50'

EAST PARKING ELEVATION (2)
SCALE: 1" = 10'-0"



1"=10'
0 5' 10' 20' 50'

WEST PARKING ELEVATION (1)
SCALE: 1" = 10'-0"

KEYNOTES:

SEE SHEET A0.2 FOR GENERAL NOTES

LEGEND

MATERIALS:

- ROUGH SAWN BOARD FORM CONCRETE CAST CONCRETE
- MTL 1 DRY JOINT SYSTEM PURE + FREEFORM OLD DIRTY BRONZE
- PERFORATED METAL PANEL RAILING
- ENCLOSURE/ ARCHITECTURAL SECURITY GRILLES (25% OPEN FOR VENTILATION)
- 8' TALL LANDSCAPE BARRIER. REFER TO LANDSCAPE DRAWINGS.

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PARKING EXTERIOR ELEVATIONS

	DATE	REMARKS
C	07/07/2020	PLANNING SUBMITTAL (AS PLANNED)
D	11/20/2021	PLANNING SUBMITTAL

PA/PM:	Approver
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KEYNOTES:

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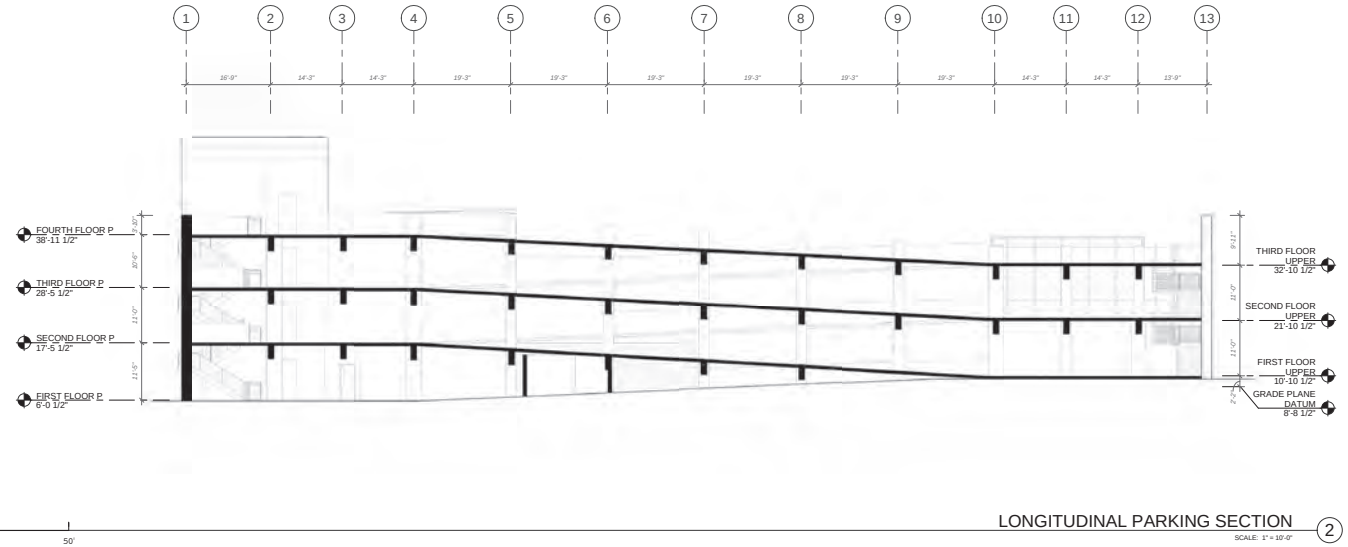
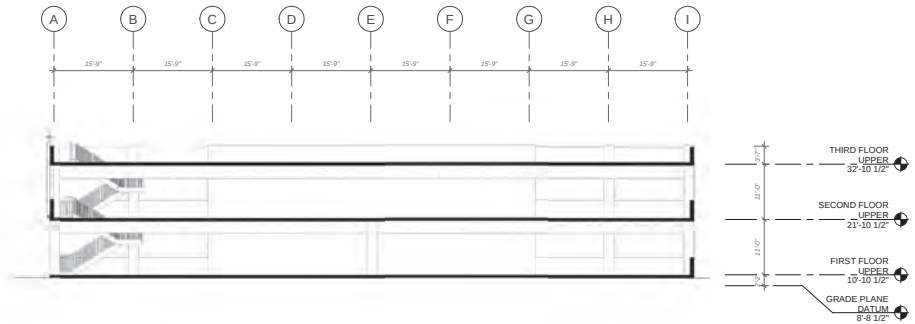


1" = 10'
0 5' 10' 20' 50'

LONGITUDINAL PARKING SECTION 2

SCALE: 1" = 10'-0"



TRANSVERSE PARKING SECTION 1

SCALE: 1" = 10'-0"

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PARKING SECTIONS

	DATE	REMARKS
C	07/01/2021	PLANNING SUBMITTAL (CLEAN SET)
D	11/05/2021	PLANNING SUBMITTAL

PA/PM:	Approver
DRAWN BY:.	Author
JOB NO.:	LAX20-0012-00

SHEET

AP5.1

10/29/2020 7:58:39 PM

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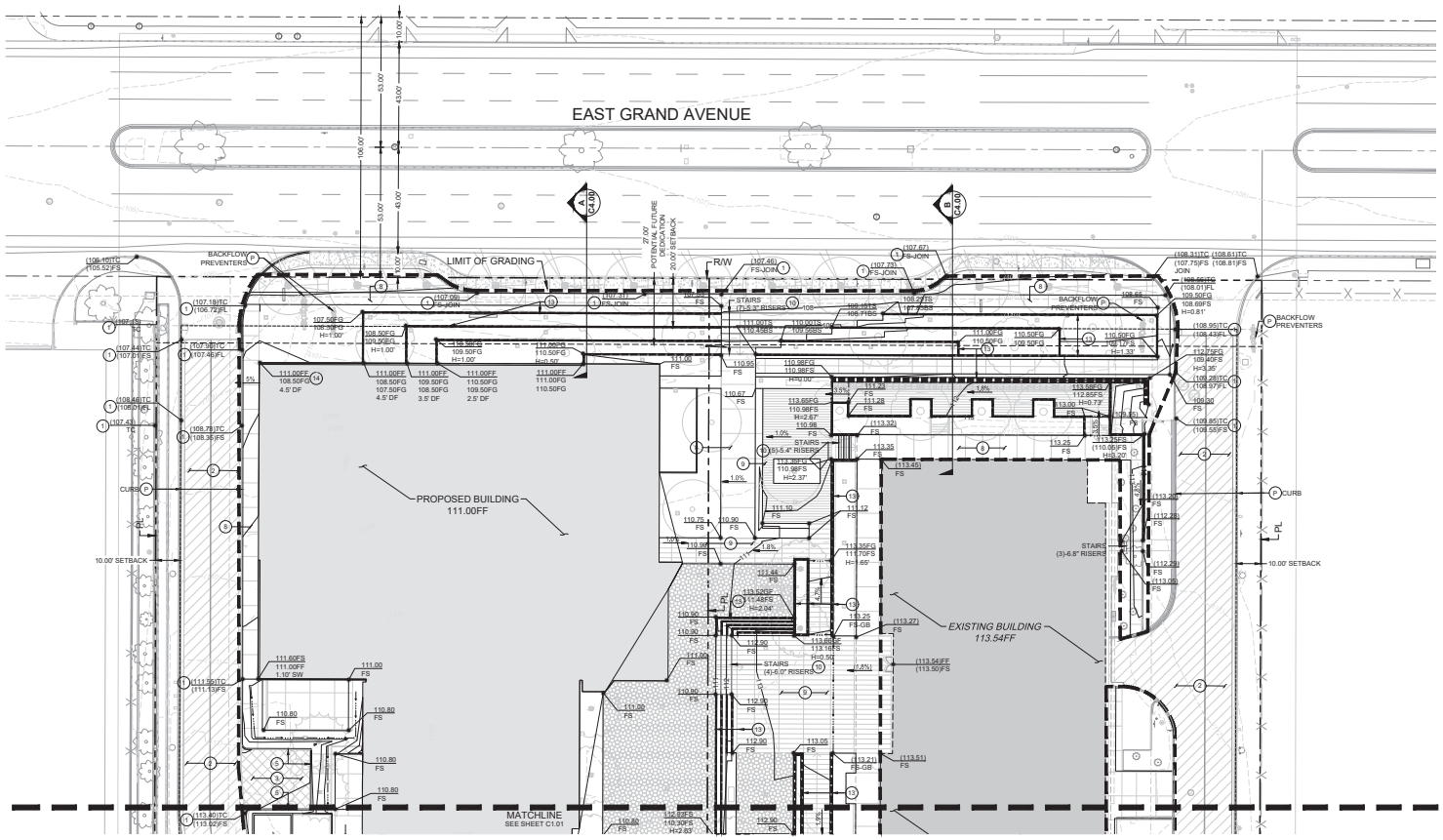

LEGEND:

- PROPERTY LINE
- LIMIT OF GRADING
- 5820 — PROPOSED 5' CONTOUR
- 5821 — PROPOSED 1' CONTOUR
- 5820 — EXISTING 5' CONTOUR
- 5821 — EXISTING 1' CONTOUR
- SD — PROPOSED STORM LINE
- SD — EXISTING STORM LINE
- RETAINING WALL
- PROPOSED STORM INLET
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED DRY WELL
- PROPOSED SWALE
- XX.XX — PROPOSED SPOT ELEVATION (AT FLOWLINE UNLESS OTHERWISE INDICATED)
- XXX% — PROPOSED SLOPE AND DIRECTION
- HP — HIGH POINT
- LP — LOW POINT
- GB — GRADE BREAK
- TW — TOP OF WALL
- FGW — FINISH GRADE AT WALL
- GRIND AND OVERLAY
- AC/AB PAVEMENT

CONSTRUCTION NOTES

#	DESCRIPTION
P	PROTECT ITEM IN PLACE

GRADING CONSTRUCTION NOTES

#	DESCRIPTION
1	JOIN TO EXISTING FEATURE AND ELEVATION. REMOVE INTERFERING PORTIONS.
2	GRIND AND OVERLAY EXISTING PAVEMENT
3	CONSTRUCT 3"AC/4"AB PAVEMENT
4	CONSTRUCT 0" CONCRETE CURB
5	CONSTRUCT 6" CONCRETE CURB
6	CONSTRUCT 6" CONCRETE CURB AND GUTTER
7	CONSTRUCT 3' WIDE CONCRETE VALLEY GUTTER
8	CONSTRUCT 4" THICK CONCRETE PATIOS AND WALKWAYS PER GEOTECHNICAL REPORT
9	DECORATIVE PAVEMENT PER LANDSCAPE ARCHITECT PLAN
10	CONSTRUCT STAIRS (# AND HEIGHT OF RISERS PER PLAN)
11	CONSTRUCT ADA ACCESS RAMP
12	INSTALL HANDRAIL PER LANDSCAPE ARCHITECT PLANS
13	CONSTRUCT RETAINING WALL
14	CONSTRUCT DEEPENED FOOTING (DEPTH PER PLAN)
15	CONSTRUCT STEM WALL (HEIGHT PER PLAN)
16	FIRE LANE PER LANDSCAPE PLAN
17	CONSTRUCT EARTHEN DRAINAGE SWALE

EARTHWORK QUANTITY (1950 GRAND)

	CUT	FILL
RAW	4,270 CY	500 CY
SHRINKAGE	-	-
OVER-EXCAVATION	-	-
NET	3,770 CY <EXPORT>	

NOTE: THE LISTED EARTHWORK QUANTITIES ARE STATED ONLY FOR CALCULATION OF GRADING AND BUILDING PERMIT FEES. THESE QUANTITIES DO NOT INCLUDE TRENCH OR FOOTING SPOILS, OR SWALE FROM COMPACTING EFFORTS OR OTHER VARIABLES. THE ENGINEER MAKES NO REPRESENTATION THIS SITE WILL BALANCE. THE CONTRACTOR SHALL DETERMINE HIS OWN EARTHWORK QUANTITIES AND BASE HIS BID ACCORDINGLY.

EARTHWORK QUANTITY (1960 GRAND)

	CUT	FILL
RAW	5,450 CY	1,100 CY
SHRINKAGE	-	-
OVER-EXCAVATION	-	-
NET	4,350 CY <EXPORT>	

NOTE: THE LISTED EARTHWORK QUANTITIES ARE STATED ONLY FOR CALCULATION OF GRADING AND BUILDING PERMIT FEES. THESE QUANTITIES DO NOT INCLUDE TRENCH OR FOOTING SPOILS, OR SWALE FROM COMPACTING EFFORTS OR OTHER VARIABLES. THE ENGINEER MAKES NO REPRESENTATION THIS SITE WILL BALANCE. THE CONTRACTOR SHALL DETERMINE HIS OWN EARTHWORK QUANTITIES AND BASE HIS BID ACCORDINGLY.

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1950 GRAND

GRADING PLAN
100% SD

NO	DATE	REMARKS
1	11.20.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
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GRADING PLAN
Sheet 1 of 6

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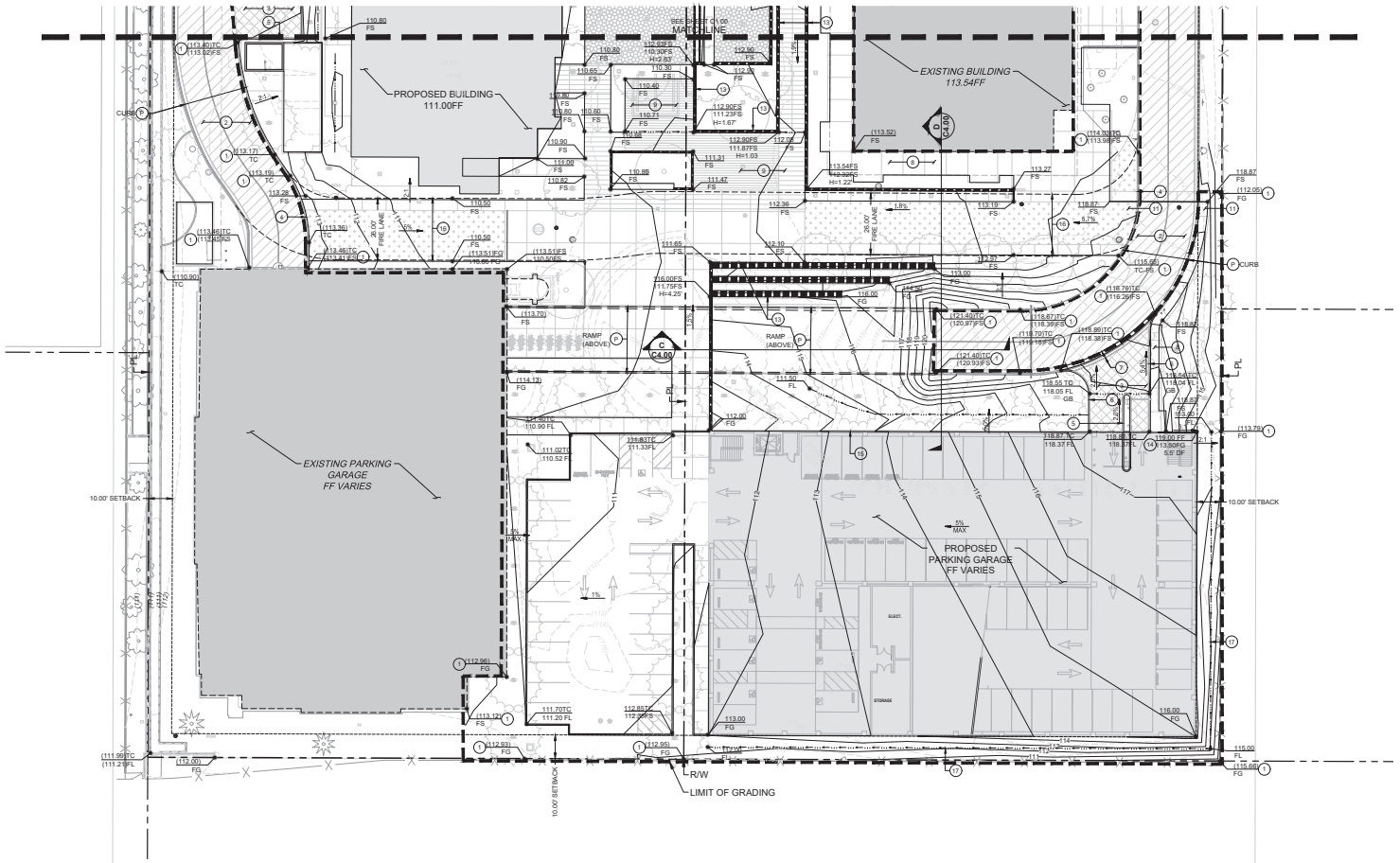

LEGEND:

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- 5820 — PROPOSED 5' CONTOUR
- 5821 — PROPOSED 1' CONTOUR
- 5820 — EXISTING 5' CONTOUR
- 5821 — EXISTING 1' CONTOUR
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- SD — EXISTING STORM LINE
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- PROPOSED SLOPE AND DIRECTION
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- LP — LOW POINT
- GB — GRADE BREAK
- TW — TOP OF WALL
- FGW — FINISH GRADE AT WALL
- GRIND AND OVERLAY
- AC/AB PAVEMENT

CONSTRUCTION NOTES

#	DESCRIPTION
P	PROTECT ITEM IN PLACE

GRADING CONSTRUCTION NOTES

1. JOIN TO EXISTING FEATURE AND ELEVATION. REMOVE INTERFERING PORTIONS.
2. GRIND AND OVERLAY EXISTING PAVEMENT
3. CONSTRUCT 3"AC/4"AB PAVEMENT
4. CONSTRUCT 0" CONCRETE CURB
5. CONSTRUCT 6" CONCRETE CURB
6. CONSTRUCT 6" CONCRETE CURB AND GUTTER
7. CONSTRUCT 3' WIDE CONCRETE VALLEY GUTTER
8. CONSTRUCT 4" THICK CONCRETE PATIOS AND WALKWAYS PER GEOTECHNICAL REPORT
9. DECORATIVE PAVEMENT PER LANDSCAPE ARCHITECT PLAN
10. CONSTRUCT STAIRS (# AND HEIGHT OF RISERS PER PLAN)
11. CONSTRUCT ADA ACCESS RAMP
12. INSTALL HANDRAIL PER LANDSCAPE ARCHITECT PLANS
13. CONSTRUCT RETAINING WALL
14. CONSTRUCT DEEPENED FOOTING (DEPTH PER PLAN)
15. CONSTRUCT STEM WALL (HEIGHT PER PLAN)
16. FIRE LANE PER LANDSCAPE PLAN
17. CONSTRUCT EARTHEN DRAINAGE SWALE

SCALE: 1" = 20'
ORIGINAL GRAPHIC SCALE

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1950 GRAND

GRADING PLAN
100% SD

NO.	DATE	REMARKS
1	11.4.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
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DATE:	10/21/2020
PLOT DATE:	

SHEET
C1.01
GRADING PLAN
Sheet 2 of 6

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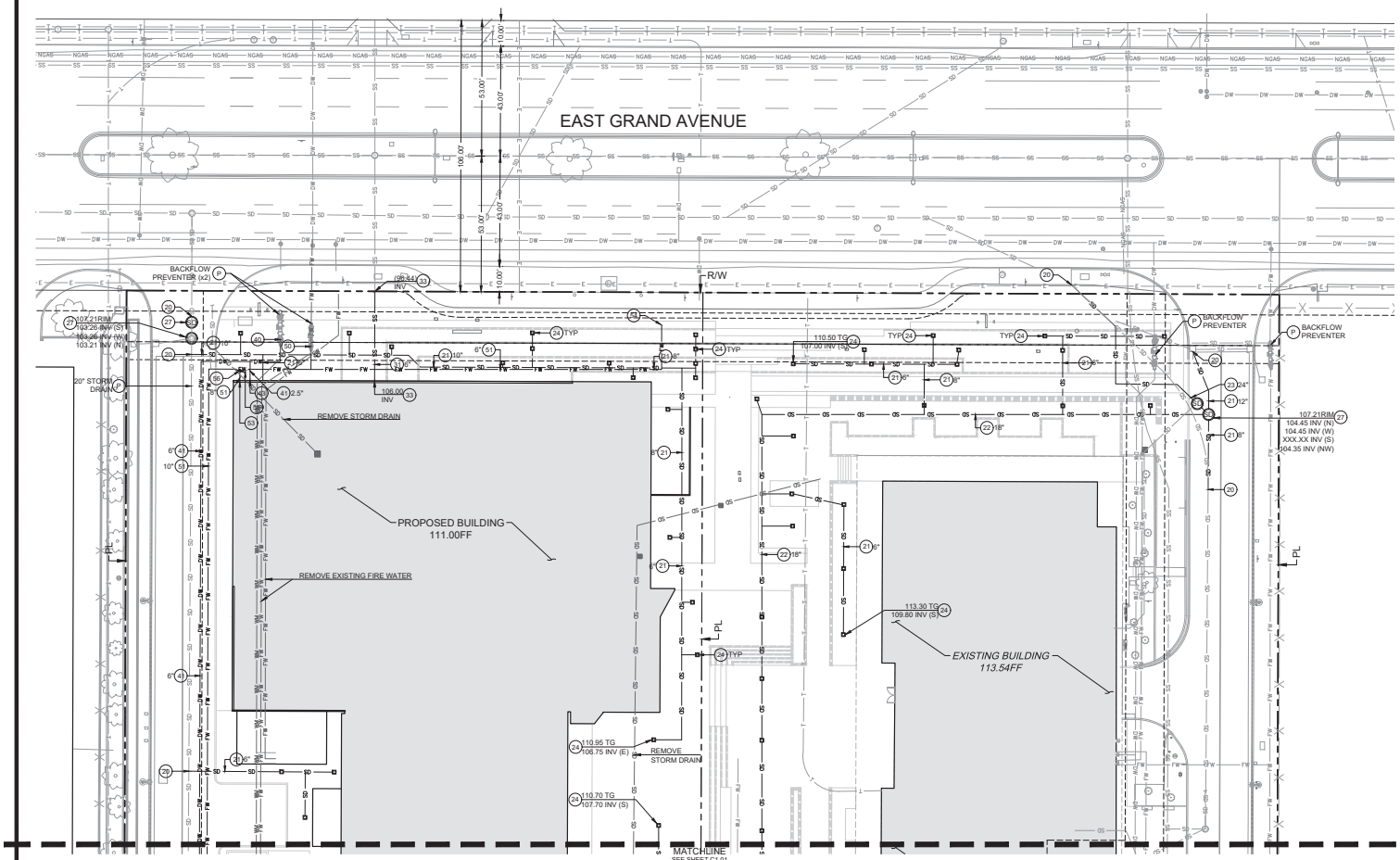

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	EASEMENT	
	CURB & GUTTER	
	CONTOURS	5750
	MANHOLE	
SD	STORM DRAIN	SD
E E	ELECTRICAL	E E
FO	FIBER OPTIC	FO
G G	GAS	G G
IRR	IRRIGATION	IRR
SS	SANITARY SEWER	SS
T T	TELEPHONE	T T
DW	DOMESTIC WATER	DW
FW	FIRE WATER	FW
	INLET	
	TEE	
	PLUG	
	THRUST BLOCK	
	WATER VALVE	
	POST INDICATOR VALVE	
	FIRE DEPARTMENT CONNECTION	
	FIRE HYDRANT	
	WATER METER	
RCB	IRRIGATION CONTROL	RCB
	LIGHT POLE	
	POWER POLE	

CONSTRUCTION NOTES

#	DESCRIPTION
P	PROTECT ITEM IN PLACE

STORM DRAIN CONSTRUCTION NOTES

20	JOIN EXISTING STORM DRAIN
21	INSTALL PVC SC40 STORM DRAIN PIPE (INNER DIAMETER SIZE PER PLAN, WATER TIGHT)
22	INSTALL HDPE STORM DRAIN PIPE (INNER DIAMETER SIZE PER PLAN, WATER TIGHT)
23	INSTALL RCP STORM DRAIN PIPE (INNER DIAMETER, SIZE PER PLAN)
24	INSTALL 12" AREA DRAIN
25	INSTALL 24" CATCH BASIN AND GRATE
26	INSTALL MANHOLE
27	CONSTRUCT DRY WELL

SANITARY SEWER CONSTRUCTION NOTES

30	JOIN OFFSITE SEWER LINE
31	INSTALL PVC SCH40 SEWER LINE (SIZE PER PLAN)
32	INSTALL CLEANOUT
33	JOIN BUILDING POC PER PLUMBING PLANS
34	JOIN EXISTING ONSITE SEWER SYSTEM

DOMESTIC WATER CONSTRUCTION NOTES

40	JOIN EXISTING DOMESTIC WATER LINE
41	INSTALL PVC C900 PIPE (SIZE PER PLAN)
42	INSTALL GATE VALVE
43	JOIN BUILDING POC PER PLUMBING PLANS

FIRE WATER CONSTRUCTION NOTES

50	JOIN EXISTING FIRE WATER LINE
51	INSTALL PVC C900 PIPE (SIZE PER PLAN)
52	INSTALL GATE VALVE
53	JOIN BUILDING POC PER PLUMBING PLANS
54	INSTALL FIRE HYDRANT
55	INSTALL FIRE DEPARTMENT CONNECTION
56	INSTALL POST INDICATOR VALVE

NOTES:
1. EXISTING ON SITE UTILITY PIPES ARE ACP AND REQUIRE DIFFERENT TAPPING METHODS THAN PVC CONNECTIONS

SCALE: 1" = 20'
ORIGINAL GRAPHIC SCALE

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1950 GRAND

UTILITY PLAN
100% SD

NO	DATE	REMARKS
1	11.13.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
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Sheet 3 of 6

UTILITY PLAN

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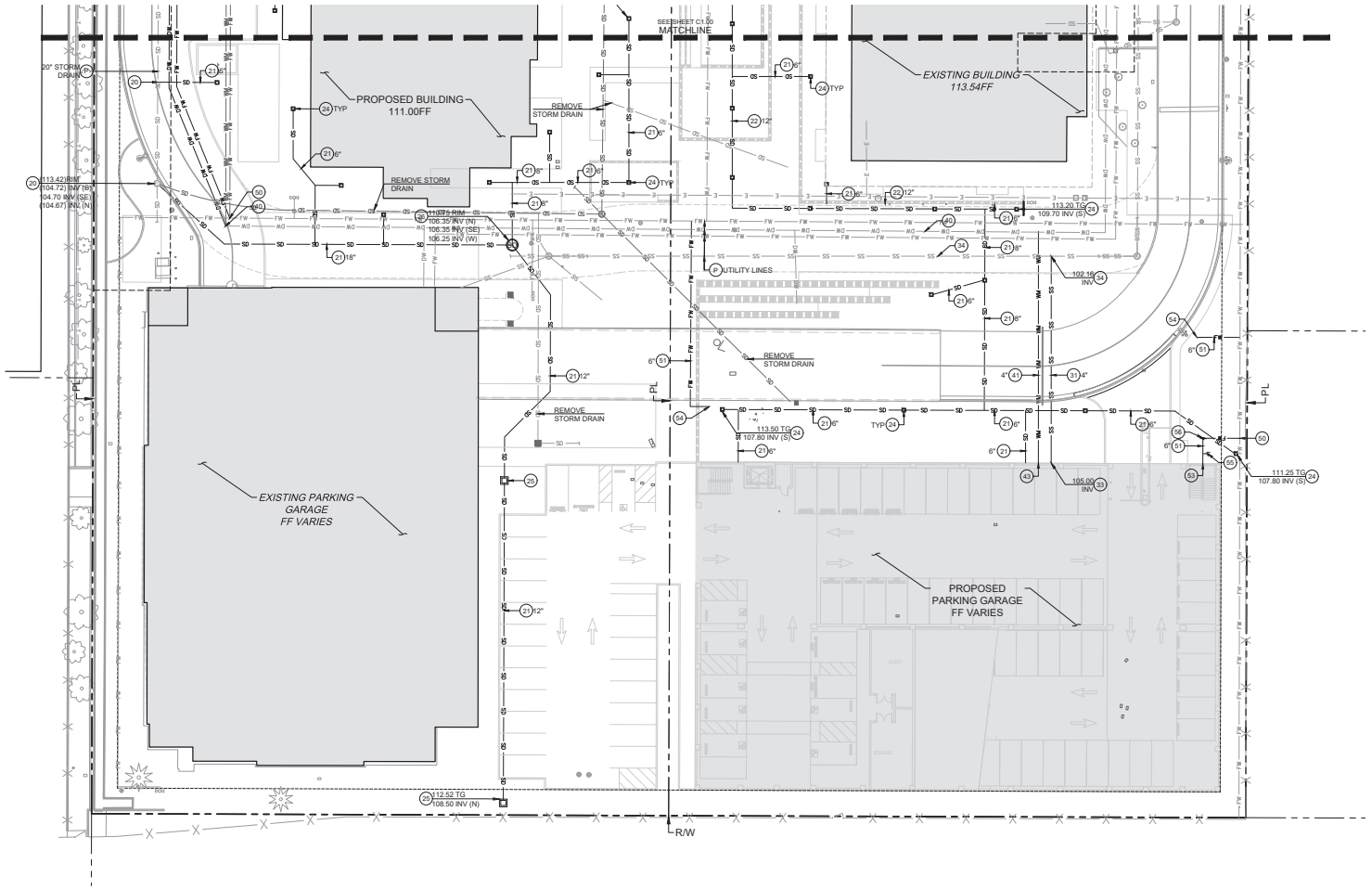

NOTES:
1. EXISTING ON SITE UTILITY PIPES ARE ACP AND REQUIRE DIFFERENT TAPPING METHODS THAN PVC CONNECTIONS

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	EASEMENT	
	CURB & GUTTER	
	CONTOURS	5750
	MANHOLE	
SD	STORM DRAIN	SD
E	ELECTRICAL	E
FO	FIBER OPTIC	FO
G	GAS	G
IRR	IRRIGATION	IRR
SS	SANITARY SEWER	SS
T	TELEPHONE	T
DW	DOMESTIC WATER	DW
FW	FIRE WATER	FW
	INLET	
	TEE	
	PLUG	
	THRUST BLOCK	
	WATER VALVE	
	POST INDICATOR VALVE	
	FIRE DEPARTMENT CONNECTION	
	FIRE HYDRANT	
	WATER METER	
RCB	IRRIGATION CONTROL	RCB
	LIGHT POLE	
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CONSTRUCTION NOTES

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P	PROTECT ITEM IN PLACE

STORM DRAIN CONSTRUCTION NOTES

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24	INSTALL 12" AREA DRAIN
25	INSTALL 24" CATCH BASIN AND GRATE
26	INSTALL MANHOLE
27	CONSTRUCT DRY WELL

SANITARY SEWER CONSTRUCTION NOTES

30	JOIN OFFSITE SEWER LINE
31	INSTALL PVC SCH40 SEWER LINE (SIZE PER PLAN)
32	INSTALL CLEANOUT
33	JOIN BUILDING POC PER PLUMBING PLANS
34	JOIN EXISTING ONSITE SEWER SYSTEM

DOMESTIC WATER CONSTRUCTION NOTES

40	JOIN EXISTING DOMESTIC WATER LINE
41	INSTALL PVC C900 PIPE (SIZE PER PLAN)
42	INSTALL GATE VALVE
43	JOIN BUILDING POC PER PLUMBING PLANS

FIRE WATER CONSTRUCTION NOTES

50	JOIN EXISTING FIRE WATER LINE
51	INSTALL PVC C900 PIPE (SIZE PER PLAN)
52	INSTALL GATE VALVE
53	JOIN BUILDING POC PER PLUMBING PLANS
54	INSTALL FIRE HYDRANT
55	INSTALL FIRE DEPARTMENT CONNECTION
56	INSTALL POST INDICATOR VALVE

SCALE: 1" = 20'
ORIGINAL GRAPHIC SCALE

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1950 GRAND

UTILITY PLAN
100% SD

NO.	DATE	REMARKS
1	11.4.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
PA / PM:	LC
DRAWN BY:	KM
DATE:	10/21/2020
PLOT DATE:	

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C2.01
Sheet 4 of 6

UTILITY PLAN

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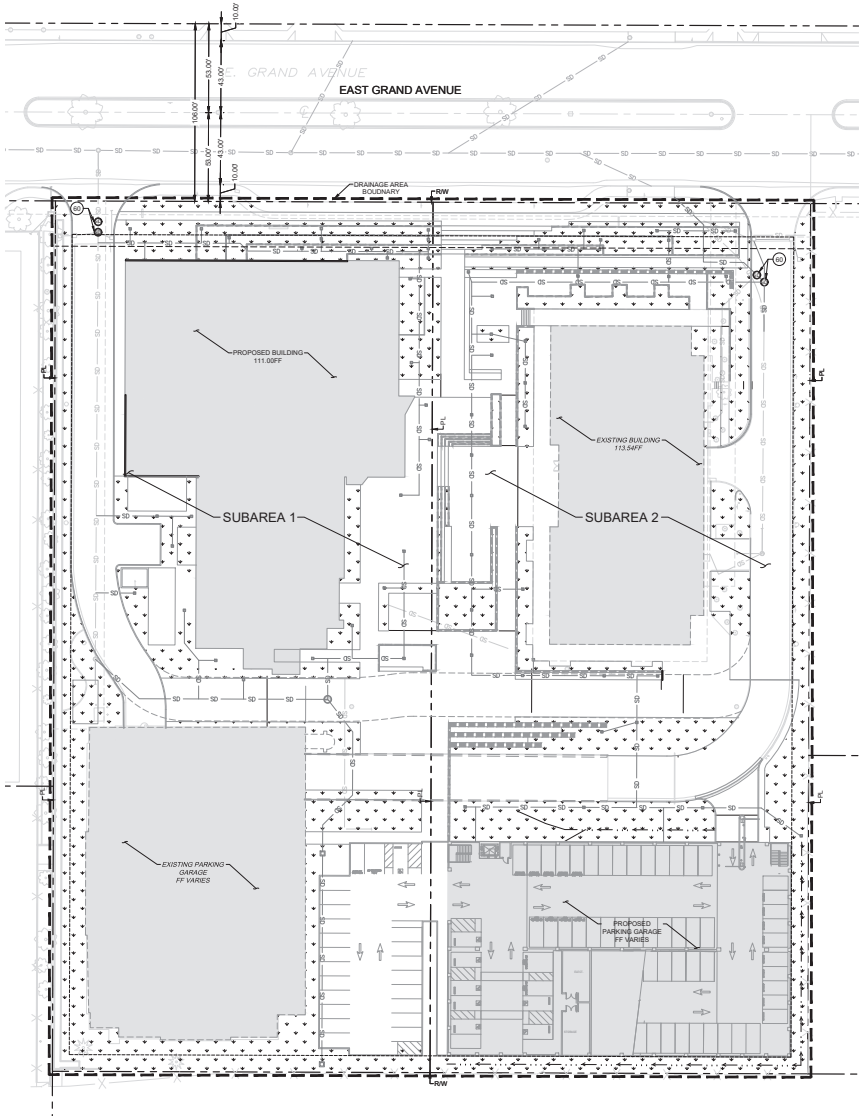

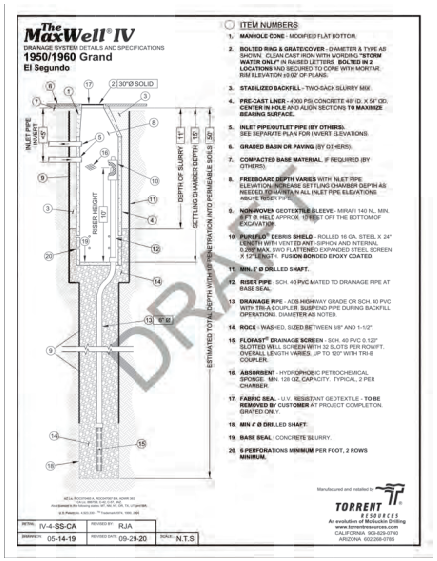

LEGEND:

- PROPERTY LINE
- HYDROLOGY BOUNDARY
- 5820 PROPOSED 5' CONTOUR
- 5821 PROPOSED 1' CONTOUR
- 5820 EXISTING 5' CONTOUR
- 5821 EXISTING 1' CONTOUR
- SD PROPOSED STORM LINE
- SD EXISTING STORM LINE
- PROPOSED STORM INLET
- PROPOSED STORM DRAIN MANHOLE
- (DW) PROPOSED DRY WELL
- PERVIOUS AREA

CONSTRUCTION NOTES

#	DESCRIPTION
(P)	PROTECT ITEM IN PLACE

GRADING CONSTRUCTION NOTES

(DW)	INSTALL DRY WELL AND PRETREATMENT PER DETAIL HEREON

LID AREAS

TOTAL SITE AREA	5.37 AC
PERVIOUS AREA	1.09 AC (20.3%)
SUB AREA 1	2.69 AC
SUB AREA 2	2.68AC

SCALE: 1" = 30'
ORIGINAL GRAPHIC SCALE

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suite 2150
los angeles, ca 90017
p 310.903.4000
waremalcomb.com

FOR AND ON BEHALF OF WARE MALCOMB

1950 GRAND
LOW IMPACT DEVELOPMENT
100% SD

NO	DATE	REMARKS
1	11.4.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
PA / PM:	LC
DRAWN BY:	KM
DATE:	10/21/2020
PLOT DATE:	

SHEET
C3.00
Sheet 5 of 6

LOW IMPACT DEVELOPMENT

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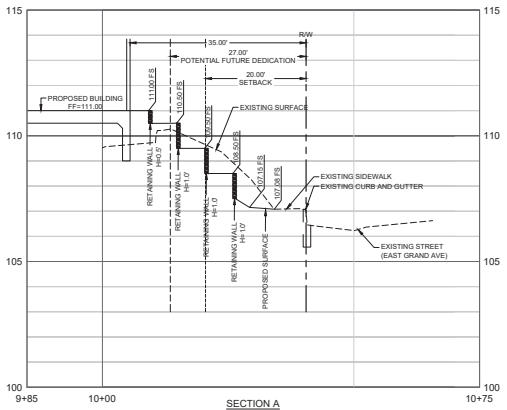
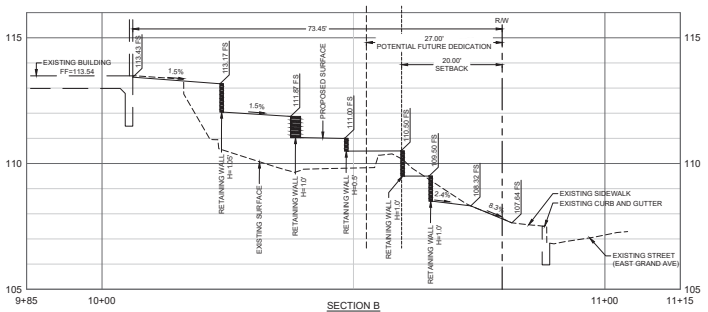
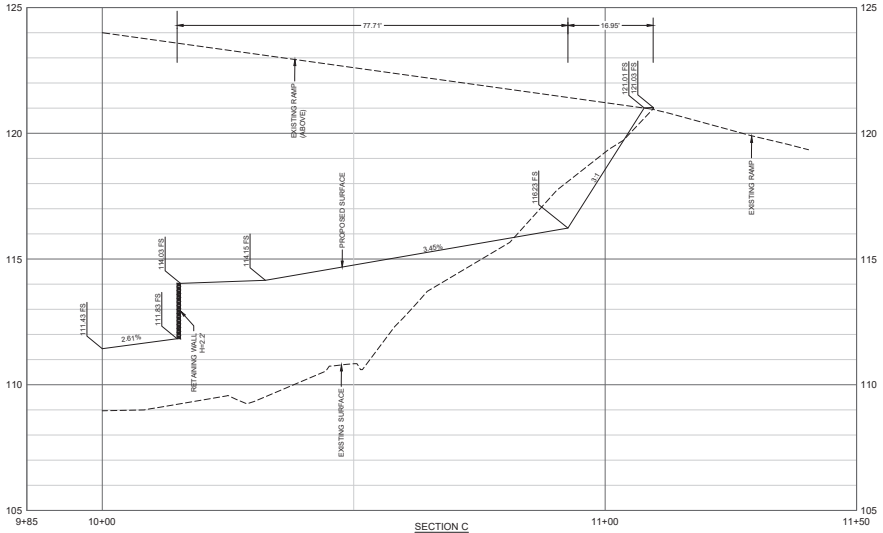


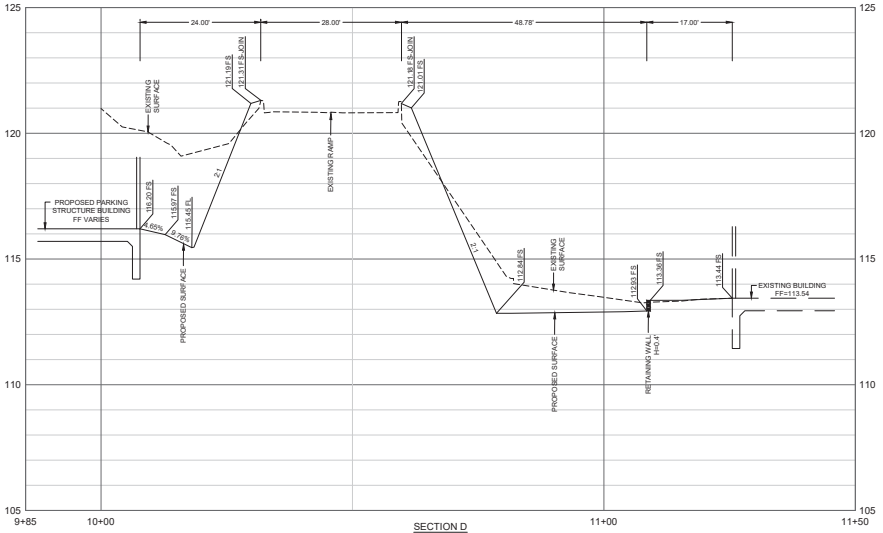
SECTION A
HORIZ. SCALE: 10
VERT. SCALE: 2



SECTION B
HORIZ. SCALE: 10
VERT. SCALE: 2



SECTION C
HORIZ. SCALE: 10
VERT. SCALE: 2



SECTION D
HORIZ. SCALE: 10
VERT. SCALE: 2

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waremalcomb.com

FOR AND ON BEHALF
OF WARE MALCOMB

1950 GRAND

SECTIONS
100% SD

NO	DATE	REMARKS
1	11.24.2020	PLANNING SUBMITTAL

JOB NO.:	LAX20-0012
PA / PM:	LC
DRAWN BY:	KM
DATE:	10/21/2020
PLOT DATE:	

SHEET
C4.00
Sheet 6 of 6

SECTIONS

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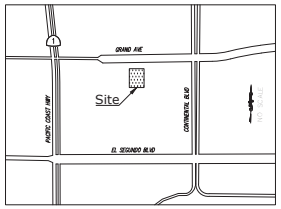
TOPOGRAPHIC SURVEY

1960 Grand Ave, El Segundo, CA 90245

VICINITY MAP



MONUMENT NOTES

MON.#	DESCRIPTION
M11	FD. NAIL & TAG "L.S. 2996" CITY OF EL SEGUNDO, PER P.W.F.B. 0816–3
M16	FD. NAIL & TACK CITY OF EL SEGUNDO, PER P.W.F.B. 0816–3
M23	FD. 4 PUN. MARKS ON S.M.H. CITY OF SEGUNDO, PER P.W.F.B. 0816–268
M40	FD. 1 1/2" IRON PIPE "L.S. 2996" CITY OF EL SEGUNDO, PER P.W.F.B. 0816–3

CONTROL POINTS

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	1793244.45'	6442274.39'	107.23'	SET MAGNETIC NAIL
CP3	1793344.97'	6442182.91'	106.04'	SET MAGNETIC NAIL AT EDGE GUTTER
CP26	1793256.81'	6442541.60'	107.50'	SET MAGNETIC NAIL IN CONCRETE DR AT NW COR
CP27	1793147.26'	6442228.18'	110.65'	SET MAGNETIC NAIL IN ACFS AT PARKING LOT
CP28	1792989.74'	6442110.30'	112.36'	SET SCRIBED X AT SW COR OF PARKING STRUCTURE
CP29	1792959.98'	6442302.97'	112.81'	SET MAGNETIC NAIL AT N OF BRIDGE
CP30	1792918.65'	6442318.17'	123.64'	SET SCRIBED X ON TOP OF BRIDGE N SIDE
CP31	1792769.90'	6442318.92'	113.85'	SET MAGNETIC NAIL S OF BRIDGE AT S OF MID SITE
CP41	1792820.12'	6442494.13'	120.14'	SET 60 DOWN
CP42	1792731.15'	6442163.22'	112.54'	SET 1X2 MAGNETIC NAIL
CP44	1793087.96'	6442536.54'	111.53'	SET MAGNETIC NAIL IN ACFS

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF EL SEGUNDO, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

PARCEL 1 IN THE CITY OF EL SEGUNDO, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PARCEL MAP NO. 14316, AS PER MAP FILED IN BOOK 159, PAGE 49 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, WATER (AND STEAM) AND OTHER MINERALS, WHETHER SIMILAR TO THOSE SPECIFIED OR NOT, WITHIN OR THAT MAY BE PRODUCED FROM SAID LAND, WITH NO RIGHT OR INTEREST OF ANY KIND THEREIN, EXPRESS OR IMPLIED IN THE SURFACE OF SAID LAND, BUT WITH THE SOLE AND EXCLUSIVE RIGHT FROM TIME TO TIME TO DRILL AND MAINTAIN WELLS AND SUPPORTING WORKS INTO OR THROUGH SAID LAND BELOW A DEPTH OF 500 FEET AND TO PRODUCE, INJECT, STORE AND REMOVE FROM AND THROUGH SUCH WELLS OR WORKS, OIL, GAS AND OTHER SUBSTANCES OF WHATSOEVER NATURE INCLUDING THE RIGHT TO PERFORM ANY AND ALL OPERATIONS DEEMED NECESSARY OR CONVENIENT FOR THE EXERCISE OF SAID RIGHT, AS RESERVED BY STANDARD OIL COMPANY OF CALIFORNIA, A CORPORATION, IN DEED RECORDED JUNE 30, 1969 AS INSTRUMENT NO. 759 IN BOOK D–4419, PAGE 266 OFFICIAL RECORDS.

PARCEL TWO:

PARCEL 2, IN THE CITY OF EL SEGUNDO, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PARCEL MAP NO. 14316, AS PER MAP FILED IN BOOK 159, PAGE 49 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, WATER (AND STEAM) AND OTHER MINERALS, WHETHER SIMILAR TO THOSE SPECIFIED OR NOT, WITHIN OR THAT MAY BE PRODUCED FROM SAID LAND, WITH NO RIGHT OR INTEREST OF ANY KIND THEREIN, EXPRESS OR IMPLIED IN THE SURFACE OF SAID LAND, BUT WITH THE SOLE AND EXCLUSIVE RIGHT FROM TIME TO TIME TO DRILL AND MAINTAIN WELLS AND SUPPORTING WORKS INTO OR THROUGH SAID LAND BELOW A DEPTH OF 500 FEET AND TO PRODUCE, INJECT, STORE AND REMOVE FROM AND THROUGH SUCH WELLS OR WORKS, OIL, GAS AND OTHER SUBSTANCES OF WHATSOEVER NATURE INCLUDING THE RIGHT TO PERFORM ANY AND ALL OPERATIONS DEEMED NECESSARY OR CONVENIENT FOR THE EXERCISE OF SAID RIGHT, AS RESERVED BY STANDARD OIL COMPANY OF CALIFORNIA, A CORPORATION, IN DEED RECORDED JUNE 30, 1969 AS INSTRUMENT NO. 759 IN BOOK D–4419, PAGE 266 OFFICIAL RECORDS.

SCHEDULE B ITEM

BASED UPON PRO FORMA-CA-FEDP-IMP-27306-1-19-20036732, DATED JANUARY 15, 2020 AS PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY.

A.– TAXES (NOT A SURVEY MATTER).

A–1.– TAXES (NOT A SURVEY MATTER).

B.– TAXES (NOT A SURVEY MATTER).

C.– TAXES (NOT A SURVEY MATTER).

1.– WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS (NOT A SURVEY MATTER).

(2) EASEMENT FOR UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS RECORDED NOVEMBER 20, 1986 RECORDING NO. 86–1610330 OFFICIAL RECORDS (PLOTTED HEREON).

(3) EASEMENT FOR LAY, CONSTRUCT, RECONSTRUCT, REPLACE, OPERATE, CHANGE THE SIZE OF, INCREASE THE NUMBER OF ANY REMOVE UNDERGROUND PIPE LINES AND APPURTENANCES THEREOF FOR THE TRANSPORTATION OF OIL, PETROLEUM, GAS, GASOLINE, WATER OR OTHER SUBSTANCES, AND TO CONSTRUCT, MAINTAIN, OPERATE, REPAIR, RENEW, ADD TO AND REMOVE UNDERGROUND WIRES, CONDUCTORS, CABLES, CONDUITS AND SIMILAR FACILITIES AND APPURTENANCES AND INCIDENTAL PURPOSES RECORDED JUNE 30, 1969 RECORDING 759 IN BOOK D–4419, PAGE 233 OFFICIAL RECORDS (PLOTTED HEREON).

4.– EASEMENT FOR DRAINAGE OF WATER RUN OFF RECORDED MAY 26, 1978 RECORDING 78–566101 OFFICIAL RECORDS (THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD).

(5) EASEMENT FOR UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS RECORDED JANUARY 30, 1987 RECORDING 87–145573 OFFICIAL RECORDS (PLOTTED HEREON).

(6) EASEMENT FOR PUBLIC STREET RECORDED MAY 26, 1987 RECORDING 87–824499 OFFICIAL RECORDS (PLOTTED HEREON).

7.– INTENTIONALLY DELETED

8.– INTENTIONALLY DELETED

9.– INTENTIONALLY DELETED

10.– INTENTIONALLY DELETED

11.– ANY RIGHTS, INTERESTS, OR CLAIMS WHICH MAY EXIST OR ARISE BY REASON OF THE FOLLOWING MATTERS DISCLOSED BY ALTA/NSPS LAND TITLE SURVEY:
PROJECT NO.: 5201902728
DATED NOVEMBER 25, 2019, LAST REVISED DECEMBER 16, 2019
PREPARED BY BOCK & CLARK CORPORATION, AN NVS COMPANY
MATTERS SHOWN:
A) AN ENCROACHMENT OF 3 PROPERTY SIGNS INTO AN EASEMENT FOR ELECTRIC UTILITY PURPOSES ALONG THE NORTH BOUNDARY OF THE PROPERTY; SAID EASEMENT RECORDED AS INSTRUMENT NO. 87–145573 OF OFFICIAL RECORDS (ITEM 5).
B) AN ENCROACHMENT OF A BUILDING OVER A PORTION OF AN EASEMENT FOR ELECTRIC UTILITY PURPOSES, SAID EASEMENT RECORDED AS INSTRUMENT NO. 86–1610330 OF OFFICIAL RECORDS (ITEM 2).

12.– RIGHT OF THE FOLLOWING LESSEES ONLY, UNDER UNRECORDED LEASES (NOT A SURVEY MATTER).

13.– INTENTIONALLY DELETED (NOT A SURVEY MATTER).

14.– A DEED OF TRUST (NOT A SURVEY MATTER).

BENCHMARK

CITY OF EL SEGUNDO BENCHMARK NO.: M–28, ELEVATION 102.80 FEET (USGS DATUM 01–01–62 ADJUSTMENT).

DESCRIPTION:
LEAD & NAIL IN CURB ON STLY CURB GRAND AVE 5' W/E INDIANA (PWDD.)

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2017.50) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801–8819. SAID BEARINGS ARE DETERMINED LOCALLY UPON FIELD–OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK CONTINUOUS OPERATING REFERENCE STATIONS (C.O.R.S.):

C.S.R.C. ORHS:
NORTHING = 1758263.14' EASTING = 6478820.08'

C.S.R.C. CNPP:
NORTHING = 1770801.63' EASTING = 6680408.47'

SHEET 2

SHEET 3

SHEET 4

SHEET 5

SHEET 6

E. GRAND AVENUE

SEPULVEDA BOULEVARD

CONTINENTAL BOULEVARD

ESTABLISHED BY TIES CITY OF EL SEGUNDO, PER P.W.F.B. 0816–503.

PARCEL 2
PARCEL MAP NO. 14316
P.M.B. 159–49
A.P.N. 4138–007–066
(1960 E. GRAND AVE.)

PARCEL 1
PARCEL MAP NO. 14316
P.M.B. 159–49
A.P.N. 4138–007–065
(1940 E. GRAND AVE.)

A.P.N. 4138–007–052

A.P.N. 4138–007–051

A.P.N. 4138–007–022

A.P.N. 4138–007–021

SCALE: 1" =30'
ORIGINAL GRAPHIC SCALE

LEGEND

ASPHALT PAVEMENT	PALM TREE	HCR	HANDICAP RAMP
BACK–FLOW VALVE	PINE TREE	INV	INVERT
CONCRETE PAVEMENT	SEWER CLEAN OUT	ICV	IRRIGATION CONTROL VALVE
CONTROL POINT	SEWER MANHOLE	NG	NATURAL GROUND
DECORATIVE BRICK	SIGN	P	PROPERTY LINE
DOOR	STAIRS SHOWING DOWNWARD DIRECTION	R/W	RIGHT OF WAY
ELECTRIC MANHOLE	STORM DRAIN MANHOLE	TC	TOP OF CURB
ELECTRIC METER	STREET LIGHT	TR	TRANSFORMER
ELECTRIC OUTLET	TELECOM MANHOLE	TYP	TYPICAL
FIRE DEPARTMENT CONNECTION	TREE (TYPICAL)		BLOCK WALL
FIRE HYDRANT	UNKNOWN MANHOLE		CENTERLINE
FOUND MONUMENT AS NOTED	WATER FAUCET		CHAIN LINK FENCE
GAS VALVE	WATER VALVE		EASEMENT LINE
GROUND LIGHT	ASSESSOR'S PARCEL NUMBER		FLOW LINE
GUARD POST	CENTERLINE	G(P)	GAS LINE PAINTED
GUY WIRE	DIAMETER OF EXISTING TREE		INTERIOR LOT LINE
HANDICAP	DRAIN INLET		MONUMENT LINE
IRRIGATION CONTROL VALVE	ELECTRIC PULL BOX		OVERHANG
LIGHT STANDARD	FINISH FLOOR		PROPERTY LINE
LIGHT STANDARD	FINISH SURFACE		RIGHT–OF–WAY
	FLOW LINE	SS(P)	SANITARY SEWER LINE PAINTED
		SD(P)	STORM DRAIN LINE PAINTED

PREPARED UNDER MY SUPERVISION:

Armando D. DePont
Registration No. 7780
In the State of California

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401 Jamie Ct., Suite 205, Corona, CA 92881
Tel Free: 800-243-5574 Fax: 951-549-1490
FOR AND ON BEHALF OF WARE MALCOMB CIVIL ENGINEERING

TOPOGRAPHIC SURVEY
1950 GRAND AVE.
EL SEGUNDO, CA 90245
LOS ANGELES COUNTY

PROJECT

NO	DATE	REMARKS
1	11/20/2021	PLANNING SUBMITTAL

PA / PM:	BK
DRAWN BY:	VG
JOB NO.:	20766

SHEET 1
Sheet 1 of 6

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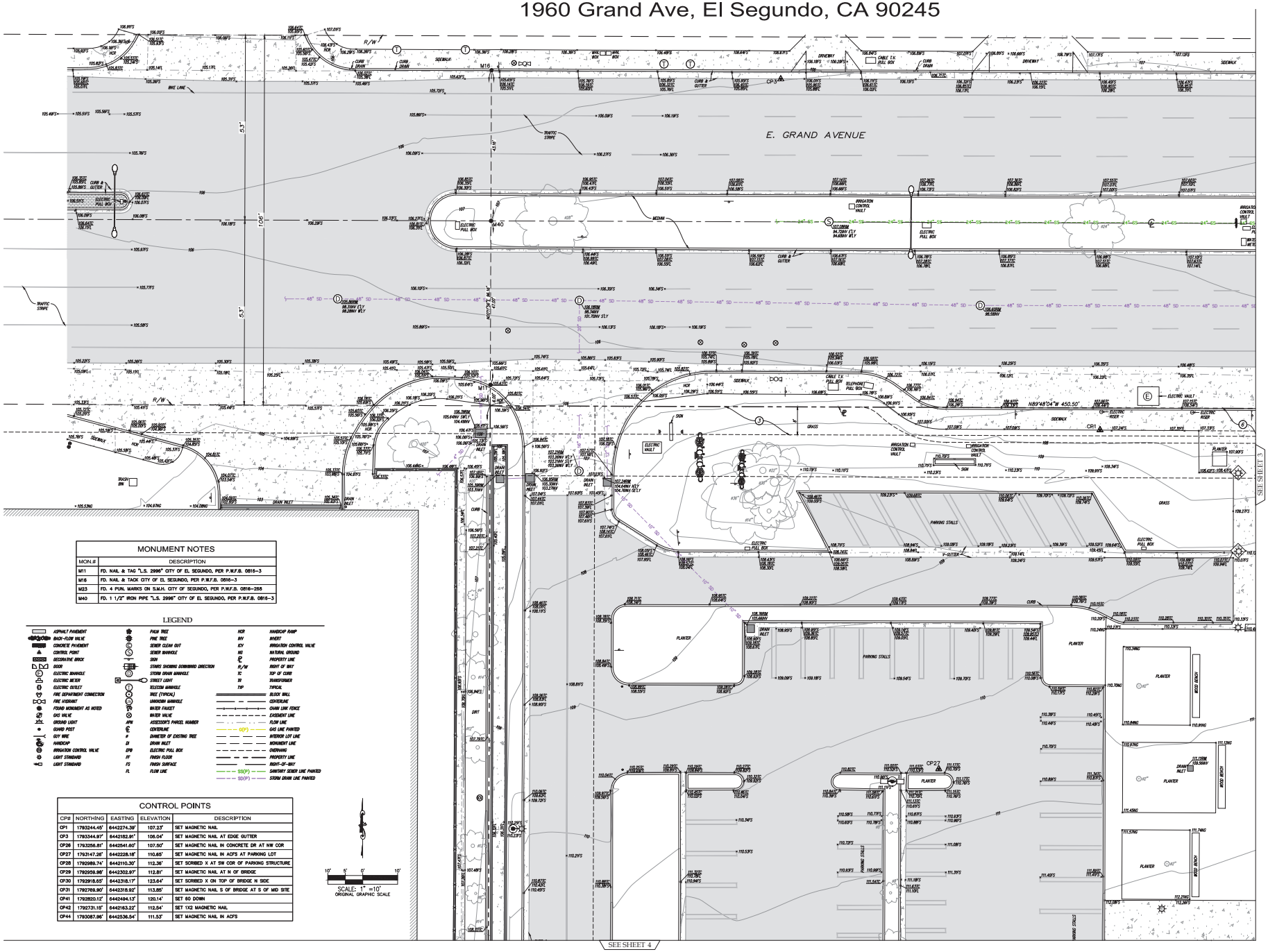
TOPOGRAPHIC SURVEY

1960 Grand Ave, El Segundo, CA 90245



MONUMENT NOTES

MON.#	DESCRIPTION
M11	FD. NAIL & TAG "L.S. 2996" CITY OF EL SEGUNDO, PER P.W.F.B. 0816-3
M16	FD. NAIL & TACK CITY OF EL SEGUNDO, PER P.W.F.B. 0816-3
M23	FD. 4 PUN. MARKS ON S.W.H. CITY OF SEGUNDO, PER P.W.F.B. 0816-288
M40	FD. 1 1/2" IRON PIPE "L.S. 2996" CITY OF EL SEGUNDO, PER P.W.F.B. 0816-3

LEGEND

ASPHALT PAVEMENT
BACK-FLOW VALVE
CONCRETE PAVEMENT
CONTROL POINT
DECORATIVE BRICK
DOOR
ELECTRIC MANHOLE
ELECTRIC METER
ELECTRIC OUTLET
FIRE DEPARTMENT CONNECTION
FIRE HYDRANT
FOUND MONUMENT AS NOTED
GAS VALVE
GROUND LIGHT
GUARD POST
GUY WIRE
HANDICAP
IRRIGATION CONTROL VALVE
LIGHT STANDARD
LIGHT STANDARD
PALM TREE
PINE TREE
SEWER CLEAN OUT
SEWER MANHOLE
SIGN
STAIRS SHOWING DOWNWARD DIRECTION
STORM DRAIN MANHOLE
STREET LIGHT
TELCOM MANHOLE
TREE (TYPICAL)
UNKNOWN MANHOLE
WATER FAUCET
WATER VALVE
ASSESSOR'S PARCEL NUMBER
CENTERLINE
DIAMETER OF EXISTING TREE
DRAIN INLET
ELECTRIC PULL BOX
FINISH FLOOR
FINISH SURFACE
FLOW LINE
HANDICAP RAMP
INVERT
IRRIGATION CONTROL VALVE
NATURAL GROUND
PROPERTY LINE
RIGHT OF WAY
TOP OF CURB
TRANSFORMER
TYPICAL
BLOCK WALL
CONCRETE
CHAIN LINK FENCE
EASEMENT LINE
FLOW LINE
GAS LINE PAINTED
INTERIOR LOT LINE
MONUMENT LINE
OVERHANG
PROPERTY LINE
RIGHT-OF-WAY
SANITARY SEWER LINE PAINTED
STORM DRAIN LINE PAINTED

CONTROL POINTS

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
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10' 5' 0' 10'
SCALE: 1" =10'
ORGINAL GRAPHIC SCALE

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EL SEGUNDO, CA 90245
LOS ANGELES COUNTY

PROJECT

NO	DATE	REMARKS
1	11/2/2021	PLANNING SUBMITTAL

PA / PM:	BK
DRAWN BY:	VG
JOB NO.:	20766

SHEET
2
Sheet 2 of 6

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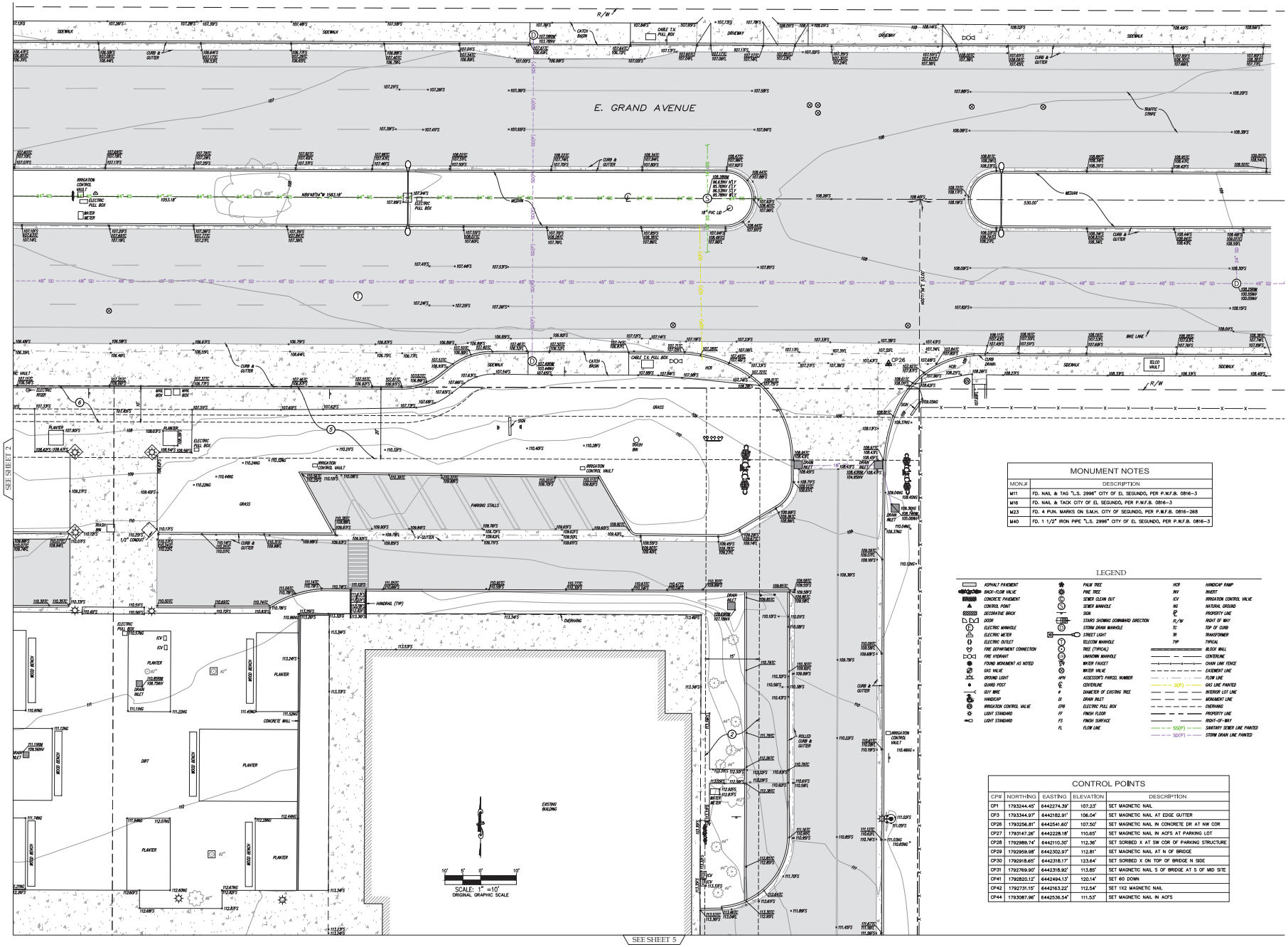

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LEGEND

ASPHALT PAVEMENT
BACK-FLOW VALVE
CONCRETE PAVEMENT
CONTROL POINT
DECORATIVE BRICK
DOOR
ELECTRIC MANHOLE
ELECTRIC METER
ELECTRIC OUTLET
FIRE DEPARTMENT CONNECTION
FIRE HYDRANT
FOUND MONUMENT AS NOTED
GAS VALVE
GROUND LIGHT
GUARD POST
GUY WIRE
HANDICAP
IRRIGATION CONTROL VALVE
LIGHT STANDARD
LIGHT STANDARD
PALM TREE
PINE TREE
SEWER CLEAN OUT
SEWER MANHOLE
SIGN
STAIRS SHOWING DOWNWARD DIRECTION
STORM DRAIN MANHOLE
STREET LIGHT
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TREE (TYPICAL)
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DRAIN INLET
ELECTRIC PULL BOX
FINISH FLOOR
FINISH SURFACE
FLOW LINE
HANDICAP RAMP
INVERT
IRRIGATION CONTROL VALVE
NATURAL GROUND
PROPERTY LINE
RIGHT OF WAY
TOP OF CURB
TRANSFORMER
TYPICAL
BLOCK WALL
CENTERLINE
CHAIN LINK FENCE
EASEMENT LINE
FLOW LINE
GAS LINE PAINTED
INTERIOR LOT LINE
MONUMENT LINE
OVERHANG
PROPERTY LINE
RIGHT-OF-WAY
SANITARY SEWER LINE PAINTED
STORM DRAIN LINE PAINTED

CONTROL POINTS

CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
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Tel/Fax: 800-CALVADA
FOR AND ON BEHALF OF WARE MALCOMB CIVIL ENGINEERING

TOPOGRAPHIC SURVEY
1950 GRAND AVE.
EL SEGUNDO, CA 90245
LOS ANGELES COUNTY

PROJECT

NO	DATE	REMARKS
1	11/2/2021	PLANNING SUBMITTAL

PA / PM:	BK
DRAWN BY:	VG
JOB NO.:	20766

SHEET 3
Sheet 3 of 6

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TOPOGRAPHIC SURVEY

1960 Grand Ave, El Segundo, CA 90245

MONUMENT NOTES	
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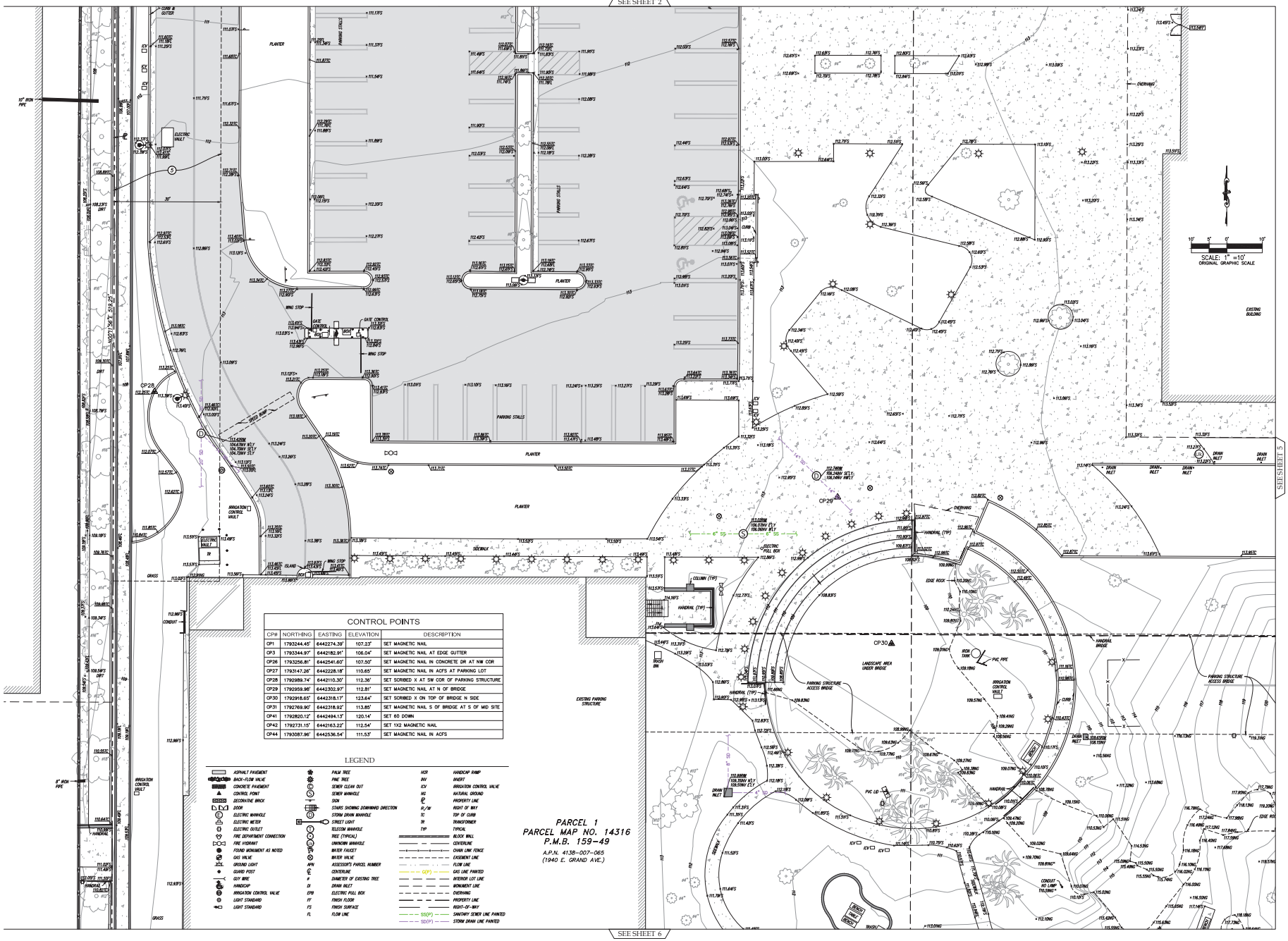
M40	FD. 1 1/2" IRON PIPE "L.S. 2996" CITY OF EL SEGUNDO, PER P.W.F.B. 0816–3



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LEGEND

ASPHALT PAVEMENT, BACK–FLOW VALVE, CONCRETE PAVEMENT, CONTROL POINT, DECORATIVE BRICK, DOOR, ELECTRIC MANHOLE, ELECTRIC METER, ELECTRIC OUTLET, FIRE DEPARTMENT CONNECTION, FIRE HYDRANT, FOUND MONUMENT AS NOTED, GAS VALVE, GROUND LIGHT, GUARD POST, GUY WIRE, HANDICAP, IRRIGATION CONTROL VALVE, LIGHT STANDARD, LIGHT STANDARD, PALM TREE, PINE TREE, SEWER CLEAN OUT, SEWER MANHOLE, SIGN, STAIRS SHOWING DOWNWARD DIRECTION, STORM DRAIN MANHOLE, STREET LIGHT, TELECOM MANHOLE, TREE (TYPICAL), UNKNOWN MANHOLE, WATER FAUCET, WATER VALVE, ASSESSOR'S PARCEL NUMBER, CENTERLINE, DIAMETER OF EXISTING TREE, DRAIN INLET, ELECTRIC PULL BOX, FINISH FLOOR, FINISH SURFACE, FLOW LINE, HANDICAP RAMP, INVERT, IRRIGATION CONTROL VALVE, NATURAL GROUND, PROPERTY LINE, RIGHT OF WAY, TOP OF CURB, TRANSFORMER, TYPICAL, BLOCK WALL, CENTERLINE, CHAIN LINK FENCE, EASEMENT LINE, FLOW LINE, GAS LINE PAINTED, INTERIOR LOT LINE, MONUMENT LINE, OVERHANG, PROPERTY LINE, RIGHT–OF–WAY, SANITARY SEWER LINE PAINTED, STORM DRAIN LINE PAINTED

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Tel/Fax: 800-2CALYA
FOR AND ON BEHALF OF WARE MALCOMB CIVIL ENGINEERING

TOPOGRAPHIC SURVEY
1950 GRAND AVE.
EL SEGUNDO, CA 90245
LOS ANGELES COUNTY

PROJECT

NO	DATE	REMARKS
1	11/20/2021	PLANNING SUBMITTAL

PA / PM:	BK
DRAWN BY:	VG
JOB NO.:	20766

SHEET 4
Sheet 4 of 6

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LEGEND

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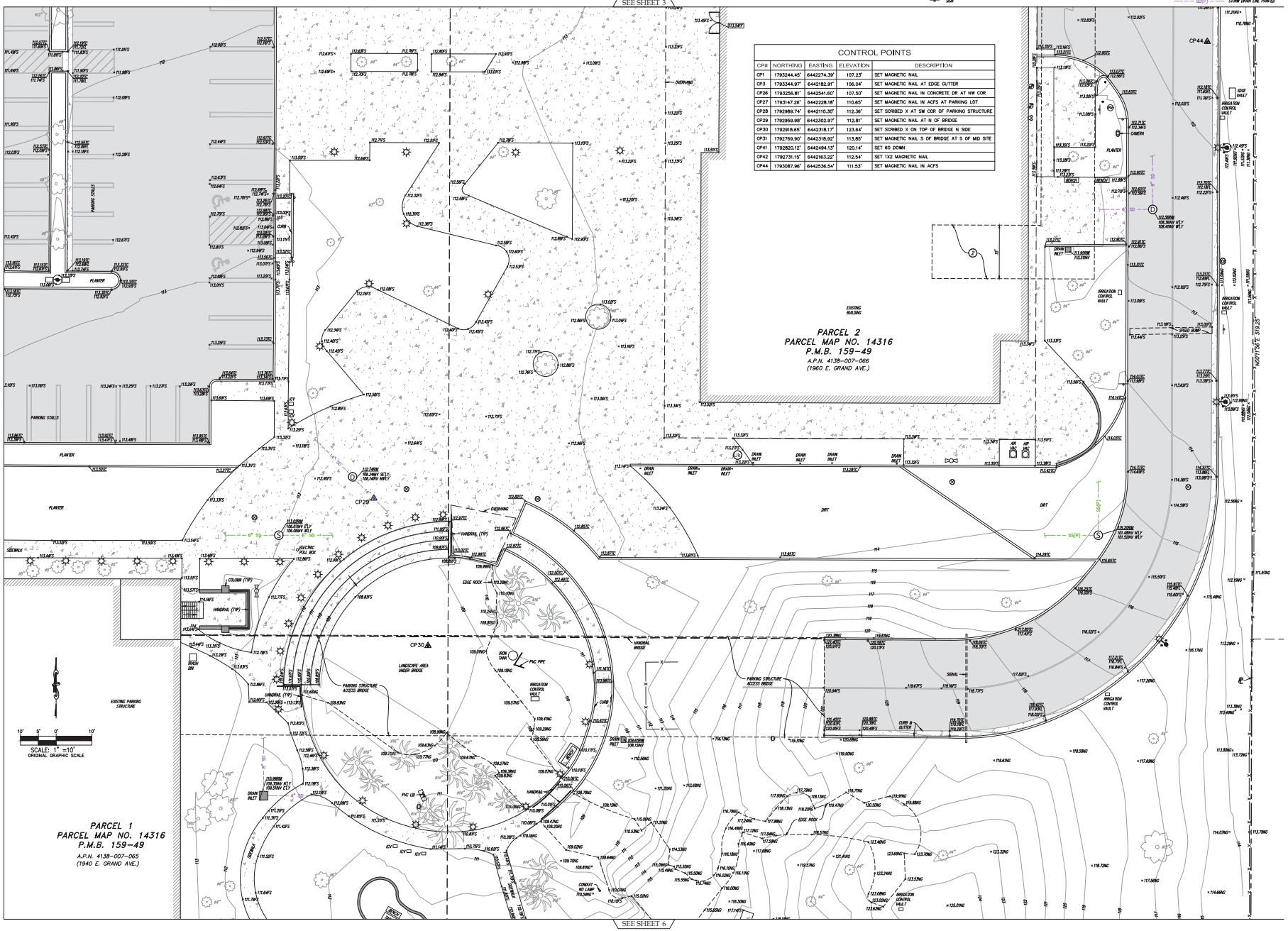
BACK–FLOW VALVE	GROUND LIGHT	STORM DRAIN MANHOLE	FF	FINISH FLOOR	BLOCK WALL
CONCRETE PAVEMENT	GUARD POST	STREET LIGHT	FS	FINISH SURFACE	CENTERLINE
CONTROL POINT	GUY WIRE	TELECOM MANHOLE	FL	FLOW LINE	CHAIN LINE FENCE
DECORATIVE BRICK	HANDICAP	TREE (TYPICAL)	HCR	HANDICAP RAMP	FLOW LINE
DOOR	IRRIGATION CONTROL VALVE	UNKNOWN MANHOLE	INV	INVERT	GAS LINE PAINTED
ELECTRIC MANHOLE	LIGHT STANDARD	WATER FAUCET	ICV	IRRIGATION CONTROL VALVE	INTERIOR LOT LINE
ELECTRIC METER	LIGHT STANDARD	WATER VALVE	NG	NATURAL GROUND	MONUMENT LINE
ELECTRIC OUTLET	PALM TREE	ASSESSOR'S PARCEL NUMBER	APN	OVERHANG	OVERHANG
FIRE DEPARTMENT CONNECTION	PINE TREE	CENTERLINE	P_/W	PROPERTY LINE	PROPERTY LINE
FIRE HYDRANT	SEWER CLEAN OUT	DIAMETER OF EXISTING TREE	RW	RIGHT OF WAY	RIGHT–OF–WAY
FOUND MONUMENT AS NOTED	SEWER MANHOLE	DRAIN INLET	TC	TOP OF CURB	SANITARY SEWER LINE PAINTED
	SIGN		TR	TRANSFORMER	STORM DRAIN LINE PAINTED



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LOS ANGELES COUNTY

PROJECT

NO	DATE	REMARKS
1	12/2/2021	PLANNING SUBMITTAL

PA / PM:	BK
DRAWN BY:	VG
JOB NO.:	20766

SHEET 5
Sheet 5 of 6

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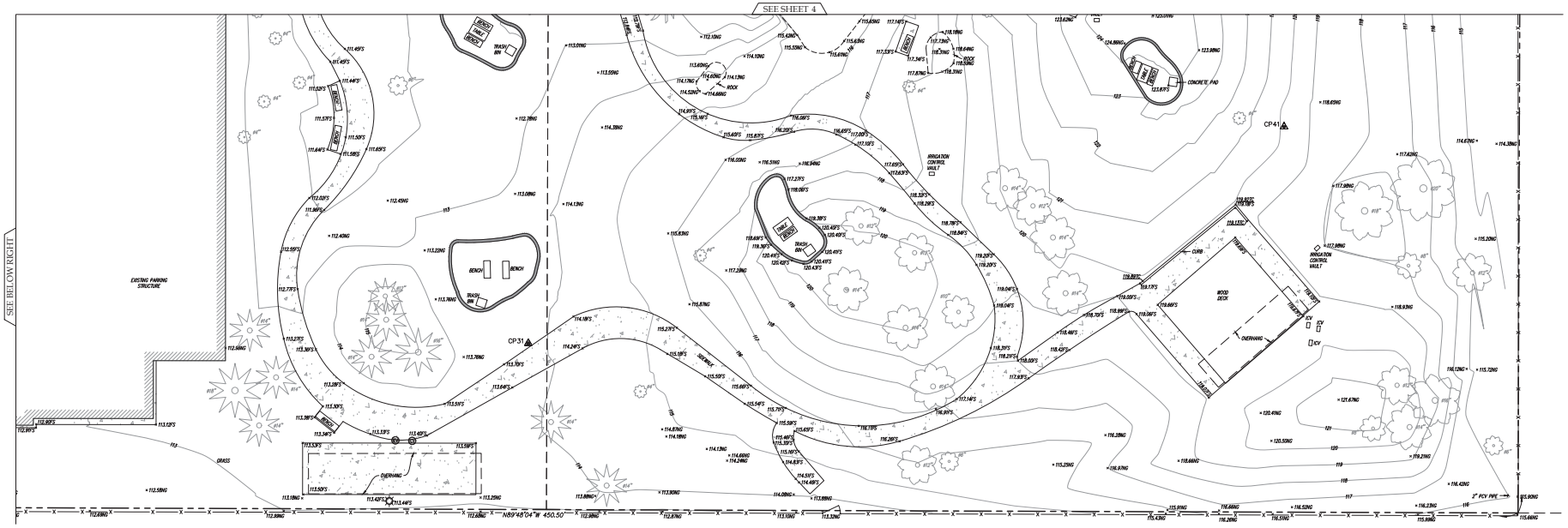

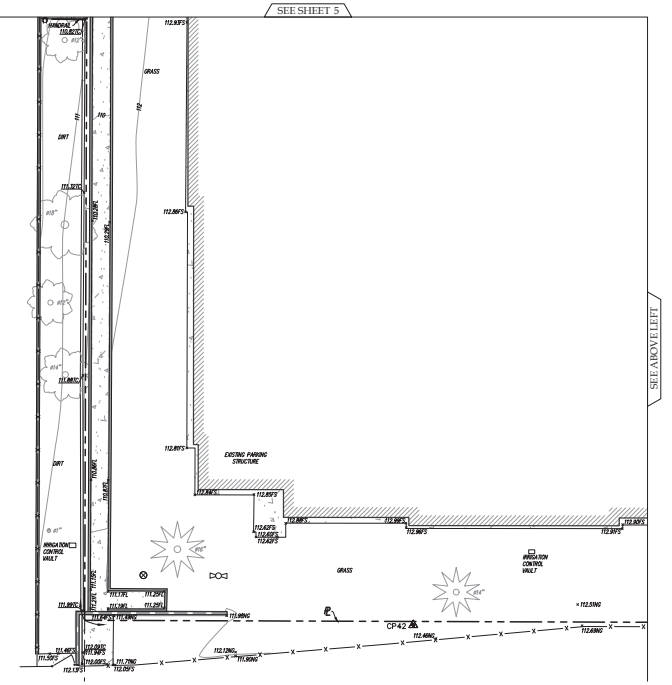

LEGEND

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DECORATIVE BRICK	SIGN	PL	PROPERTY LINE		
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ELECTRIC MANHOLE	STORM DRAIN MANHOLE	TC	TOP OF CURB		
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LIGHT STANDARD	FF FINISH FLOOR		PROPERTY LINE		
LIGHT STANDARD	FS FINISH SURFACE		RIGHT-OF-WAY		
	FL FLOW LINE	SS(P)	SANITARY SEWER LINE PAINTED		
		SD(P)	STORM DRAIN LINE PAINTED		

SCALE: 1" =10'
ORIGINAL GRAPHIC SCALE

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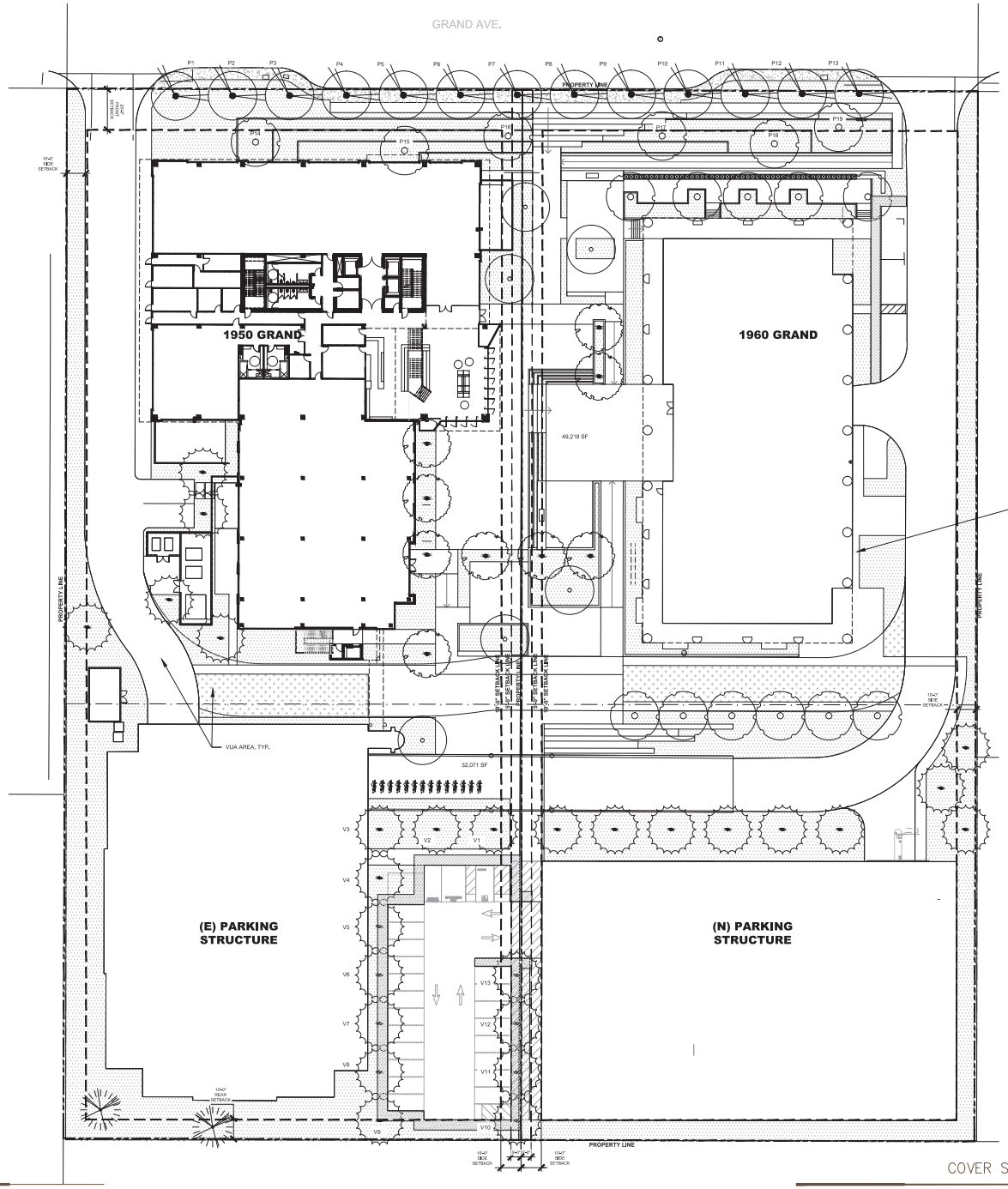
SHEET
6
Sheet 6 of 6

1950 GRAND

100% SD LANDSCAPE SET



SHEET INDEX

SHEET NUMBER	TITLE
L0.0	COVER SHEET/CITY REFERENCE PLAN
L0.1	CITY REFERENCE PLAN
L0.2	TREE DISPOSITION PLAN
L1.0	L1 CONSTRUCTION PLAN
L1.1	L3 CONSTRUCTION PLAN
L1.2	L1 CONSTRUCTION ENLARGEMENT PLAN
L1.3	L1 CONSTRUCTION ENLARGEMENT PLAN
L2.0	CONSTRUCTION DETAILS
L2.1	CONSTRUCTION DETAILS
L2.2	CONSTRUCTION DETAILS
L2.3	CONSTRUCTION DETAILS
L2.4	CONSTRUCTION DETAILS
L2.5	CONSTRUCTION DETAILS
L3.0	L1 PLANTING PLAN
L3.1	L3 PLANTING PLAN
L3.2	PLANT PALETTE

LANDSCAPE REQUIREMENTS

TOTAL LANDSCAPE (OPEN) AREA	
1950 PARCEL:	63,166 SF
1960 PARCEL:	73,351 SF
TOTAL:	136,517 SF

BUILDING PERIMETER
REQUIREMENTS: A MINIMUM HORIZONTAL DEPTH OF (5') OF LANDSCAPE SHALL BE PROVIDED AROUND THE BUILDING
PROVIDED: LANDSCAPE MATERIALS ARE PROVIDED A MINIMUM OF (5') AROUND THE PERIMETER OF THE BUILDING. (REFER TO THIS SHEET FOR LANDSCAPE AREA)

PROPERTY PERIMETER		
REQUIREMENTS: PROVIDE (1) TREE FOR EVERY (25') OF STREET FRONTAGE		
STREET FRONTAGE:	451 LF =	19 TREES REQ'D
TREES PROVIDED:	19 (# P1-P19)	

VEHICULAR USE AREA (VUA)	
REQUIREMENTS: PROVIDE (1) TREE FOR EVERY (3,000) SQUARE FEET AND LANDSCAPE AREAS TO COVER FIVE PERCENT (5%) OF THE VUA	
VUA (BOTH PARCELS):	8,591 SF
LANDSCAPE AREA PROVIDED:	2,472 SF (29%)
TREES REQUIRED:	3
TREES PROVIDED:	13 (# V1-V13)

PLANT SIZING CALCULATIONS		
REQUIREMENTS: AT LEAST 20% OF THE TREES MUST BE 36" BOX OR LARGER, AT LEAST 30% MUST BE 24" BOX SIZE OR LARGER, AND THE REMAINING 50% MUST BE 15 GALLON SIZE OR LARGER.		
TOTAL TREES	74	
36" BOX TREES OR LARGER (61 TOTAL)	MIN % REQ 20%	% PROVIDED 82%
24" BOX TREES OR LARGER (13 TOTAL)	30%	18%
15 GALLON TREES OR LARGER (0 TOTAL)	50%	-
REQUIREMENTS: SHRUBS MUST BE PLANTED FROM A MINIMUM FIVE (5) GALLON SIZE CONTAINER. ONE GALLON SIZE CONTAINERS MAY BE ALLOWED FOR SHRUBS THAT ARE NOT COMMONLY AVAILABLE IN FIVE (5) GALLON SIZE CONTAINERS, SUBJECT TO APPROVAL BY THE DIRECTOR OF PLANNING AND BUILDING SAFETY.		

LEGEND

PROPERTY LINE

SETBACK LINE

VUA LANDSCAPE AREA

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

3/64"=1'-0"

NORTH

11/20/2021 | PLANNING SUBMITTAL | D

COVER SHEET / CITY REFERENCE PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
09.30.2020

SHEET
L0.0

GRAND STAIR.
15-2-7D1, HELD 5 FEET FROM PL, THOUGH THEY COULD ENCROACH ANOTHER TWO FEET

12" HT TERRACED RETAINING WALLS
15-2-4 3. A Retaining Wall Located In Any Required Setback, As Depicted In Subsection E, Figures 3a And 3b Of This Section, MAY RETAIN A MAXIMUM OF THREE FEET (3') OF FILL. The Height Of The Retaining Wall Built To Retain The Fill Is Considered As Contributing To The Permissible Height Of A Fence Or Wall.

In A Required Front Setback, A Six Inch (6") Wall Or Fence May Be Erected On Top Of A Wall Which Retains A Maximum Of Three Feet (3'). No Open Work Fence, Above The Maximum FORTY TWO INCH (42") TOTAL HEIGHT, IS ALLOWED IN THE FRONT SETBACK.

TRELLIS ELEMENT, ENCROACHES 2' INTO THE REQUIRED SETBACK BUT DOES NOT REDUCE THE SETBACK TO LESS THAN 3' IN WIDTH.

15-2-7: ENCROACHMENTS:
Encroachments are subject to the following provisions in the indicated zones:
A. All Zones: "ARCHITECTURAL LANDSCAPE FEATURES" as defined in section 15-1-6 of this title may encroach into setbacks as specified in section 15-2-14 of this chapter. In all zones, every required yard must be open and unobstructed from the ground up, EXCEPT THE FOLLOWING INTRUSIONS MAY PROJECT TWO FEET (2') INTO REQUIRED YARDS, PROVIDED THE REQUIRED YARD CANNOT BE REDUCED TO LESS THAN THREE FEET (3') IN WIDTH:.

FIREPLACE (4'WIDTH) ENCROACHES INTO THE REQUIRED SETBACK BUT DOES NOT REDUCE THE SETBACK TO LESS THAN 3' IN WIDTH.

15-2-7: ENCROACHMENTS:
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Drivable Grass with Drivable Turf Infill

24" HT PLANTER WALLS
15-2-4 3. A Retaining Wall Located In Any Required Setback, As Depicted In Subsection E, Figures 3a And 3b Of This Section, MAY RETAIN A MAXIMUM OF THREE FEET (3') OF FILL. The Height Of The Retaining Wall Built To Retain The Fill Is Considered As Contributing To The Permissible Height Of A Fence Or Wall.

42" HT PLANTER WALLS

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LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLA.COM CA PLA 6326

REVISIONS

REV	DATE	DESCRIPTION
A	3/17/21	PLANNING RESUBMITTAL
B	4/7/21	PLANNING RESUBMITTAL

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NORTH

11/20/2021 | PLANNING SUBMITTAL | D

CITY REFERENCE PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
04.07.2021

SHEET
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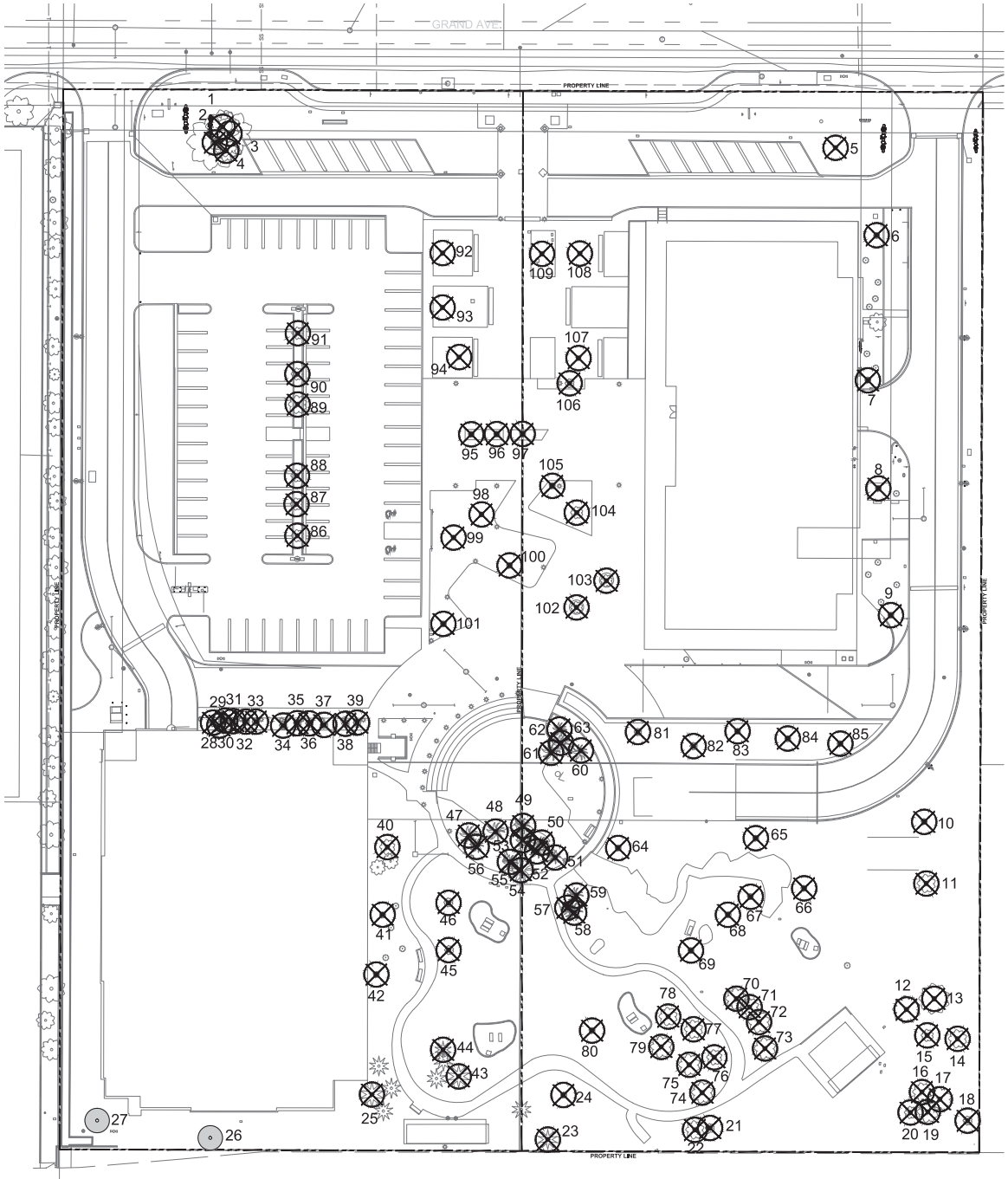

PLANT LEGEND - TREES		
	NOTE	QTY
⊗	EXISTING TREE TO BE REMOVED	107
○	EXISTING TREE TO REMAIN	2

SUMMARY:

PROTECTED TREES - 0

TOTAL NO. OF ONSITE TREES - 109

TOTAL NO. OF OFFSITE TREES (STREET TREES) - 0

TOTAL TREES (BOTH ON SITE AND OFFSITE) - 109

TREE #	SPECIES NAME	COMMON NAME	REMOVE Y/N
1	EUCALYPTUS SP.	EUCALYPTUS	Y
2	EUCALYPTUS SP.	EUCALYPTUS	Y
3	EUCALYPTUS SP.	EUCALYPTUS	Y
4	EUCALYPTUS SP.	EUCALYPTUS	Y
5	EUCALYPTUS SP.	EUCALYPTUS	Y
6	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
7	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
8	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
9	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
10	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
11	EUCALYPTUS SP.	EUCALYPTUS	Y
12	EUCALYPTUS SP.	EUCALYPTUS	Y
13	EUCALYPTUS SP.	EUCALYPTUS	Y
14	EUCALYPTUS SP.	EUCALYPTUS	Y
15	EUCALYPTUS SP.	EUCALYPTUS	Y
16	EUCALYPTUS SP.	EUCALYPTUS	Y
17	EUCALYPTUS SP.	EUCALYPTUS	Y
18	EUCALYPTUS SP.	EUCALYPTUS	Y
19	EUCALYPTUS SP.	EUCALYPTUS	Y
20	EUCALYPTUS SP.	EUCALYPTUS	Y
21	EUCALYPTUS SP.	EUCALYPTUS	Y
22	EUCALYPTUS SP.	EUCALYPTUS	Y
23	PINUS CANARIENSIS	CANARY ISLAND PINE	Y
24	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
25	PINUS CANARIENSIS	CANARY ISLAND PINE	Y
26	PINUS CANARIENSIS	CANARY ISLAND PINE	N
27	PINUS CANARIENSIS	CANARY ISLAND PINE	N
28	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
29	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
30	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
31	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
32	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
33	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
34	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
35	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
36	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
37	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
38	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
39	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
40	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
41	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
42	MELALEUCA QUINQUENERVIA	BROAD-LEAVED PAPERBARK	Y
43	PINUS CANARIENSIS	CANARY ISLAND PINE	Y
44	PINUS CANARIENSIS	CANARY ISLAND PINE	Y
45	PYRUS KAWAKAMII	EVERGREEN PEAR	Y
46	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	Y
47	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
48	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
49	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
50	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
51	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
52	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
53	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
54	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
55	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
56	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
57	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
58	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
59	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
60	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
61	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
62	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
63	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	Y
64	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
65	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
66	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
67	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
68	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
69	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
70	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	Y
71	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	Y
72	EUCALYPTUS SP.	EUCALYPTUS	Y
73	EUCALYPTUS SP.	EUCALYPTUS	Y
74	EUCALYPTUS SP.	EUCALYPTUS	Y
75	EUCALYPTUS SP.	EUCALYPTUS	Y
76	EUCALYPTUS SP.	EUCALYPTUS	Y
77	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	Y
78	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	Y
79	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	Y
80	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
81	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
82	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
83	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
84	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
85	ERYTHRINA CAFFRA	COAST CORAL TREE	Y
86	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
87	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
88	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
89	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
90	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
91	CUPANIOPSIS ANACARDIOIDES	CARROTWOOD	Y
92	PARKINSONIA FLORIDA	PALO VERDE SP.	Y
93	PARKINSONIA FLORIDA	PALO VERDE SP.	Y
94	PARKINSONIA FLORIDA	PALO VERDE SP.	Y
95	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
96	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
97	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
98	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
99	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
100	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
101	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
102	TIPUANA TIPU	TIPU TREE	Y
103	TIPUANA TIPU	TIPU TREE	Y
104	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
105	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE	Y
106	LIRODENDRON TULIPIFERA	TULIP TREE	Y
107	PARKINSONIA FLORIDA	PALO VERDE SP.	Y
108	PARKINSONIA FLORIDA	PALO VERDE SP.	Y
109	PARKINSONIA FLORIDA	PALO VERDE SP.	Y

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3/64"=1'-0"

NORTH

D 1 11/20/2021 PLANNING SUBMITTAL

TREE DISPOSITION PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
09.30.2020

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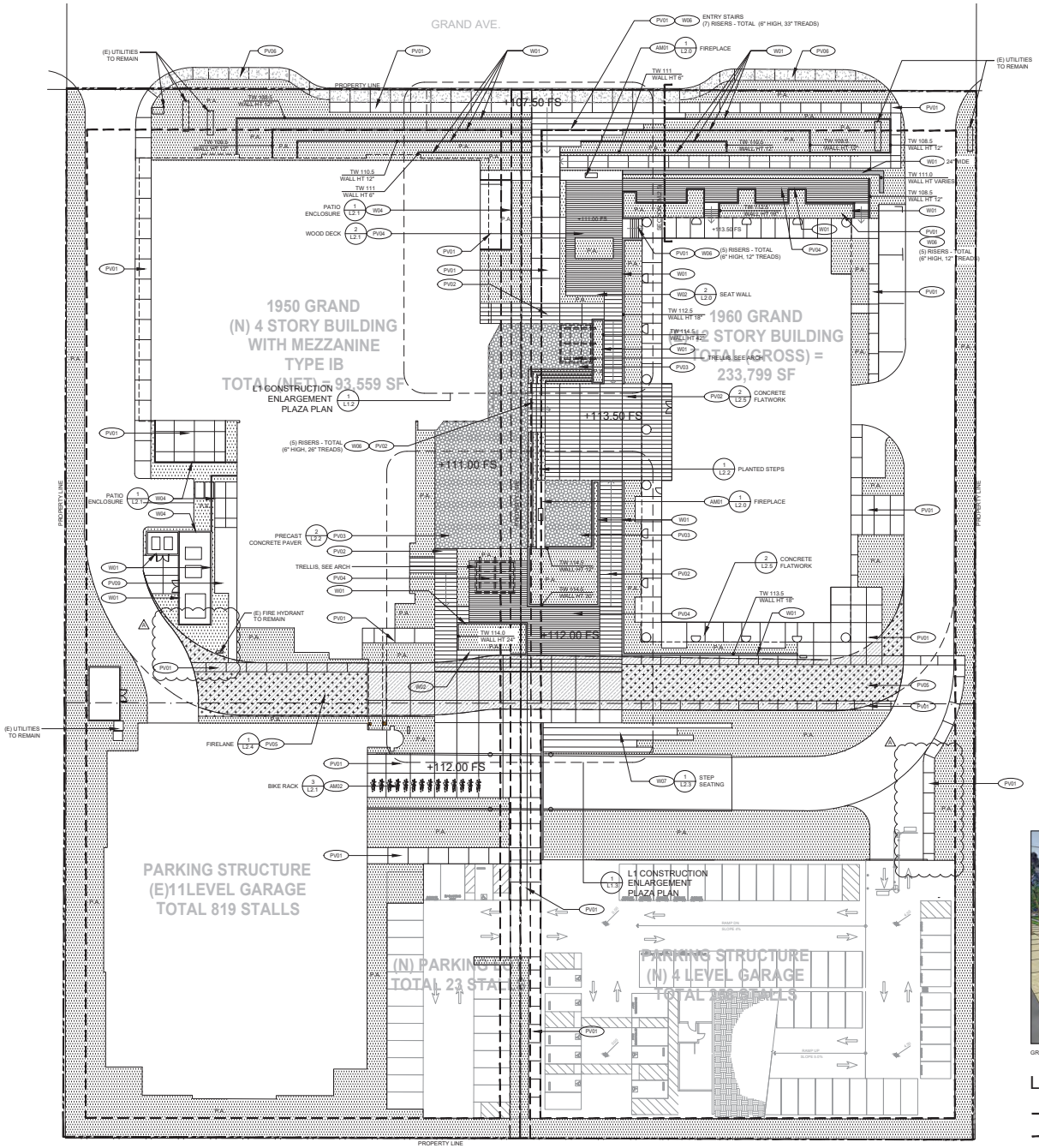

PAVING SCHEDULE

SYMBOL	ITEM/DESCRIPTION	MATERIAL	COLOR/FINISH/MODEL
PV01	CONCRETE FLATWORK	4" THICK CAST-IN-PLACE CONCRETE	COLOR: DAVIS PALOMINO FINISH: TO MATCH GRACE INDUSTRIES TOP CAST #5 (LIGHT RETARDANT FINISH)
PV02	CONCRETE FLATWORK	4" THICK CAST-IN-PLACE CONCRETE	COLOR: DAVIS COBBLESTONE FINISH: TO MATCH GRACE INDUSTRIES TOP CAST #5 (LIGHT RETARDANT FINISH)
PV03	PRECAST PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY QCP. PORTERO PATTERN WITH BLEND OF STANDARD COLOR 65% MISSION WHITE AND 35% FRENCH GRAY MORTAR SET OVER CONCRETE RAT SLAB
PV04	WOOD DECKING	1X6 IPE WOOD TIMBERS	COLOR:NATURAL, FINISH:PENOFIN IPE OILED FINISH. WAX ALL ENDS. INSTALL WITH SS DECKING SCREWS OVER PT DOUGLAS FIR FRAMING SYSTEM. ON-GRADE CONDITION, INSTALL OVER CONCRETE RAT SLAB
PV05	FIRE LANE PAVING	SOIL RETENTION PLANTABLE CONCRETE SOLUTIONS	MODEL: DRIVABLE GRASS WITH DRIVABLE TURF INFILL OPTION
PV06	CONCRETE FLATWORK	4" THICK CAST-IN-PLACE CONCRETE	COLOR: NATURAL GREY FINISH: TO MATCH CITY OF EL SEGUNDO STANDARDS
PV07	PEDESTAL PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY QCP. QS-30PV FRENCH GRAY SET ON PEDESTALS OVERSTRUCTURE
PV08	PRECAST PEDESTAL PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY QCP. PORTERO PATTERN WITH BLEND OF STANDARD COLOR 65% MISSION WHITE AND 35% FRENCH GRAY PEDESTAL SET OVER CONCRETE STRUCTURAL SLAB
PV09	DECOMPOSED GRANITE PAVING	3/8" MINUS PEWTER GREY DECOMPOSED GRANITE	PROVIDE SAMPLES FOR APPROVAL

WALL SCHEDULE - GRADE

SYMBOL	ITEM/DESCRIPTION	MATERIAL	COLOR/FINISH/MODEL
W01	PLANTER WALL/ RETAINING WALL	CAST IN PLACE CONCRETE	CAST IN PLACE CONCRETE. DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH. SEE PLANS FOR WALL CONDITIONS AND HEIGHTS
W02	SEAT WALL	CAST IN PLACE CONCRETE	18" HIGH X 24" WIDE CAST-IN-PLACE CONCRETE SEAT WALL W/ SMOOTH FRP FINISH. COLOR TO MATCH ADJACENT PAVING
W03	ENTRY WALL	CMU	30" HIGH X 60" WIDE CONCRETE MASONRY UNIT WALL. FINISH TO MATCH ADJACENT ENTRY FIREPLACE STRUCTURE
W04	PATIO ENCLOSURE	WOOD	42" HIGH WOOD PATIO ENCLOSURE COLOR: STAINED OR PAINTED BLACK
W05	UTILITY SCREEN WALL	CAST IN PLACE CONCRETE	5'-0" HIGH 8" WIDE CAST IN PLACE CONCRETE. DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH.
W06	STAIRS	CAST IN PLACE CONCRETE	CAST-IN-PLACE CONCRETE STAIRS W/ BRUSHED STAINLESS STEEL HANDRAILS, TYP. SEE PLANS FOR RISER AMOUNT & TREAD DEPTH.
W09	STEPPED WOOD SEATING	C.I.P. CONCRETE WOOD	CAST-IN-PLACE CONCRETE SEAT WALL W/ RECLAIMED WOOD SLATS TO MATCH ADJACENT WOOD DECKING

AMENITY SCHEDULE

SYMBOL	ITEM/DESCRIPTION	MANUF	COLOR/FINISH/MODEL
AM01	FIREPLACE		BUILT-IN CMU CONSTRUCTION W/ SMOOTH STUCCO PLASTER FINISH. NATURAL GAS CONNECTION. PROVIDE EMERGENCY SHUT OFF SWITCH. 4 HR DIGITAL COUNTDOWN TIMER. AND ELECTRICAL CONNECTION (120V)
AM02	BIKE RACK	LANDSCAPE FORMS	MODEL: FGP COLOR/FINISH: ANODIZED ALUMINUM QTY: 17

GRAND AVE. ENTRY STEPS AND WALLS

LEGEND

PROPERTY LINE

SETBACK LINE

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

3/64"=1'-0"

NORTH

L1 CONSTRUCTION PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L1.0

LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLA.COM CA PLA 6326

REVISIONS

REV	DATE	DESCRIPTION
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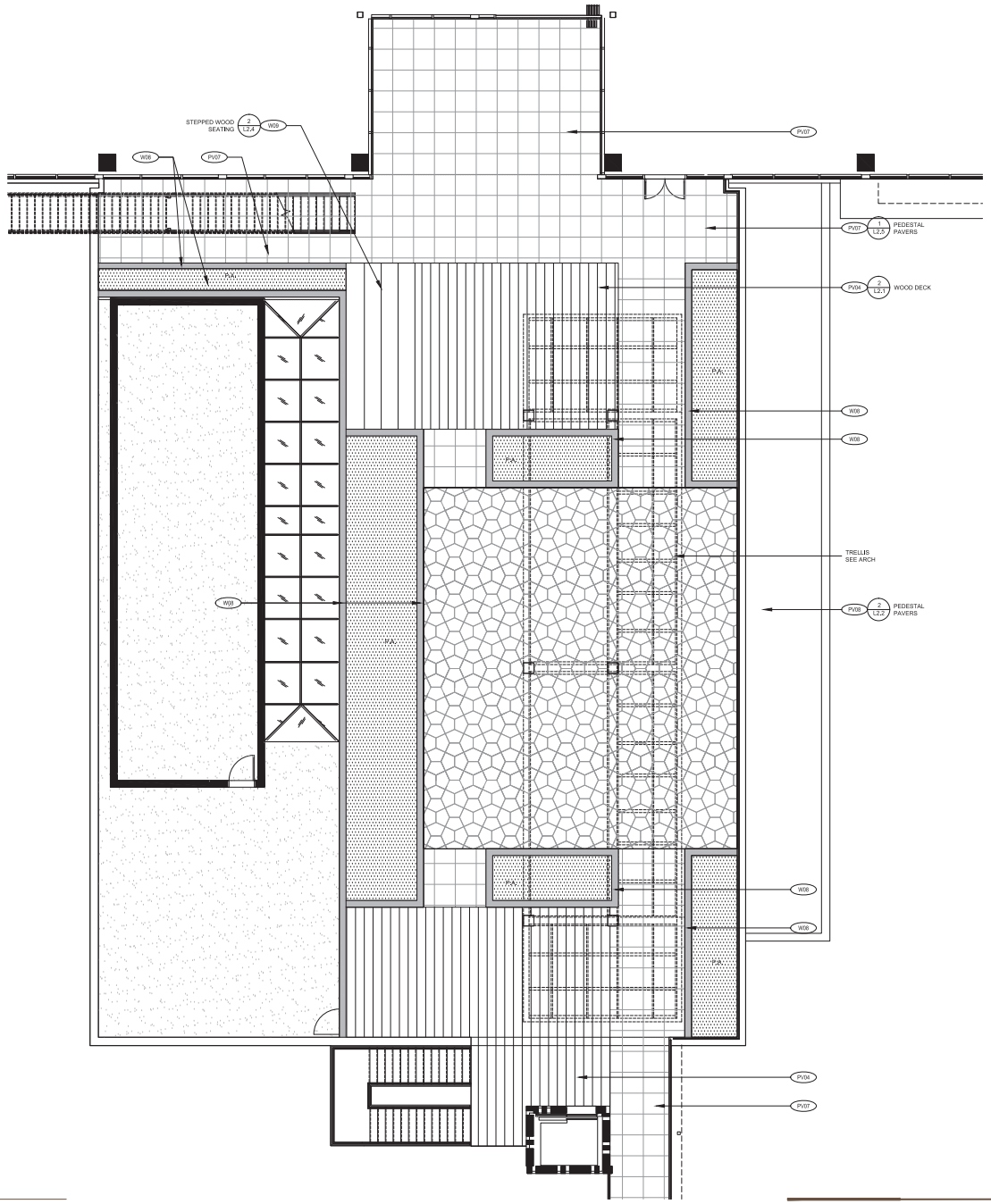
11/20/2021 PLANNING SUBMITTAL



PAVING SCHEDULE

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PV03	PRECAST PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY OCP, PORTERO PATTERN WITH BLEND OF STANDARD COLOR 65% MISSION WHITE AND 35% FRENCH GRAY MORTAR SET OVER CONCRETE RAT SLAB
PV04	WOOD DECKING	1X6 IPE WOOD TIMBERS	COLOR:NATURAL, FINISH:PENOFIN IPE OILED FINISH, WAX ALL ENDS. INSTALL WITH SS DECKING SCREWS OVER PT DOUGLAS FIR FRAMING SYSTEM. ON-GRADE CONDITION, INSTALL OVER CONCRETE RAT SLAB
PV05	FIRE LANE PAVING	SOIL RETENTION PLANTABLE CONCRETE SOLUTIONS	MODEL: DRIVABLE GRASS WITH DRIVABLE TURF INFILL OPTION
PV06	CONCRETE FLATWORK	4" THICK CAST-IN-PLACE CONCRETE	COLOR: NATURAL GREY FINISH: TO MATCH CITY OF EL SEGUNDO STANDARDS
PV07	PEDESTAL PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY OCP, QS-30PV FRENCH GRAY SET ON PEDESTALS OVERSTRUCTURE
PV08	PRECAST PEDESTAL PAVERS	PRECAST CONCRETE PAVERS	FLATWORX PAVERS BY OCP, PORTERO PATTERN WITH BLEND OF STANDARD COLOR 65% MISSION WHITE AND 35% FRENCH GRAY PEDESTAL SET OVER CONCRETE STRUCTURAL SLAB
PV09	DECOMPOSED GRANITE PAVING	¾" MINUS PEWTER GREY DECOMPOSED GRANITE	PROVIDE SAMPLES FOR APPROVAL

WALL SCHEDULE - STRUCTURE

SYMBOL	ITEM/DESCRIPTION	MATERIAL	COLOR/FINISH/MODEL
W08	PLANTER WALL	CAST IN PLACE CONCRETE	CAST IN PLACE CONCRETE, W/ LIGHTWEIGHT PLANTING SOIL, DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH, SEE PLANS FOR WALL CONDITIONS AND HEIGHTS
W09	STEPPED WOOD SEATING	C.I.P. CONCRETE WOOD	CAST-IN-PLACE CONCRETE SEAT WALL W/ RECLAIMED WOOD SLATS TO MATCH ADJACENT WOOD DECKING

AMENITY SCHEDULE

SYMBOL	ITEM/DESCRIPTION	MANUF	COLOR/FINISH/MODEL
AM01	FIREPLACE		BUILT-IN CMU CONSTRUCTION W/ SMOOTH STUCCO PLASTER FINISH, NATURAL GAS CONNECTION, PROVIDE EMERGENCY SHUT OFF SWITCH, 4 HR DIGITAL COUNTDOWN TIMER, AND ELECTRICAL CONNECTION (120V)
AM02	BIKE RACK	LANDSCAPE FORMS	MODEL: FGP COLOR/FINISH: ANODIZED ALUMINUM QTY: 17

LRM

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3/16"=1'-0"

NORTH

11/20/2021 PLANNING SUBMITTAL

L3 CONSTRUCTION PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
09.30.2020

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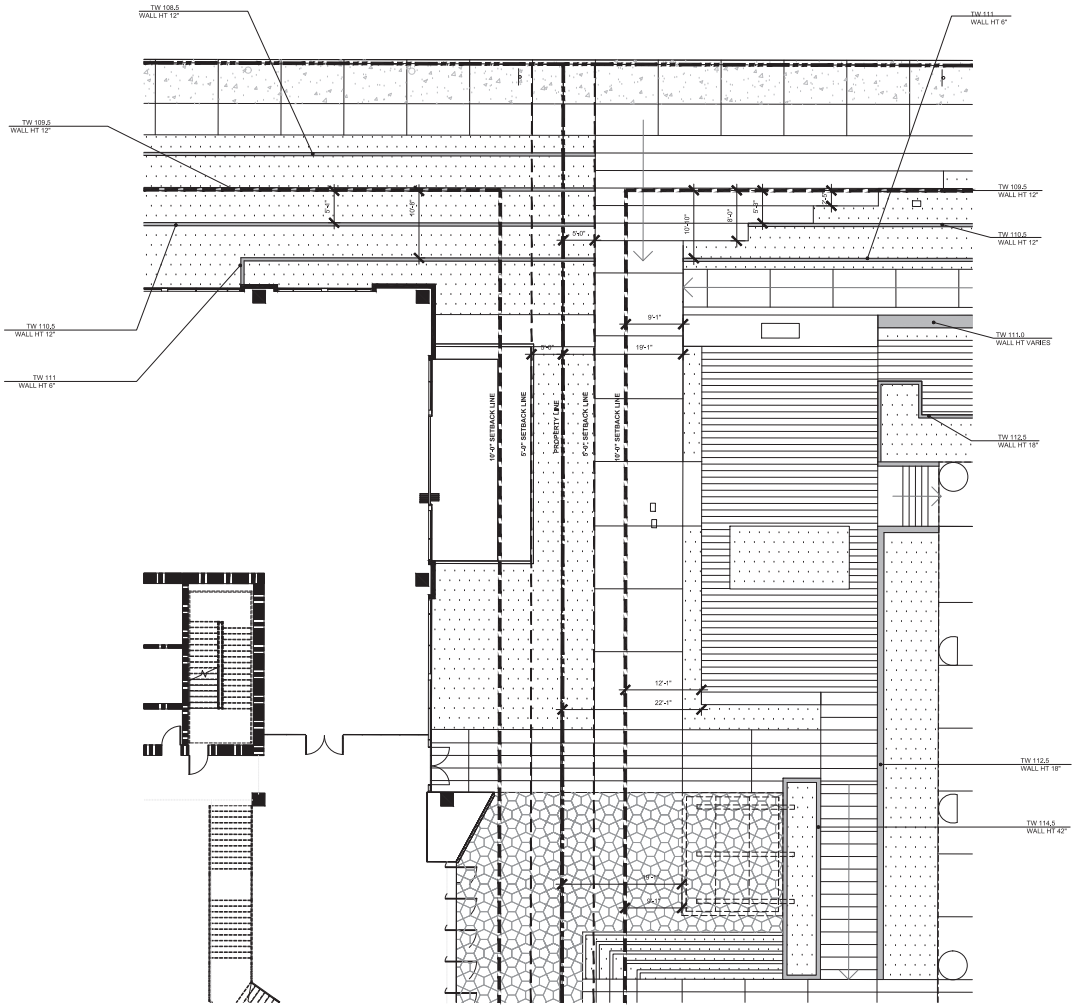

WALL SCHEDULE - GRADE

SYMBOL	ITEM/DESCRIPTION	MATERIAL	COLOR/FINISH/MODEL
W01	PLANTER WALL/ RETAINING WALL	CAST IN PLACE CONCRETE	CAST IN PLACE CONCRETE, DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH. SEE PLANS FOR WALL CONDITIONS AND HEIGHTS.
W02	SEAT WALL	CAST IN PLACE CONCRETE	18" HIGH X 24" WIDE CAST-IN-PLACE CONCRETE SEAT WALL W/ SMOOTH FRP FINISH, COLOR TO MATCH ADJACENT PAVING
W03	ENTRY WALL	CMU	30" HIGH X 60" WIDE CONCRETE MASONRY UNIT WALL FINISH TO MATCH ADJACENT ENTRY FIREPLACE STRUCTURE
W04	PATIO ENCLOSURE	WOOD	42" HIGH WOOD PATIO ENCLOSURE COLOR: STAINED OR PAINTED BLACK
W05	UTILITY SCREEN WALL	CAST IN PLACE CONCRETE	5'-0" HIGH. 8" WIDE CAST IN PLACE CONCRETE, DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH.
W06	STAIRS	CAST IN PLACE CONCRETE	CAST-IN-PLACE CONCRETE STAIRS W/ BRUSHED STAINLESS STEEL HANDRAILS, TYP, SEE PLANS FOR RISER AMOUNT & TREAD DEPTH.
W09	STEPPED WOOD SEATING	C.I.P. CONCRETE WOOD	CAST-IN-PLACE CONCRETE SEAT WALL W/ RECLAIMED WOOD SLATS TO MATCH ADJACENT WOOD DECKING

AMENITY SCHEDULE

SYMBOL	ITEM/DESCRIPTION	MANUF	COLOR/FINISH/MODEL
AM01	FIREPLACE		BUILT-IN CMU CONSTRUCTION W/ SMOOTH STUCCO PLASTER FINISH, NATURAL GAS CONNECTION, PROVIDE EMERGENCY SHUT OFF SWITCH, 4 HR DIGITAL COUNTDOWN TIMER, AND ELECTRICAL CONNECTION (120V)
AM02	BIKE RACK	LANDSCAPE FORMS	MODEL: FGP COLOR/FINISH: ANODIZED ALUMINUM QTY: 17

LEGEND

PROPERTY LINE

SETBACK LINE

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1/8"=1'-0"

NORTH

11/20/2021 | PLANNING SUBMITTAL | D

L1 CONSTRUCTION ENLARGEMENT PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
09.30.2020

SHEET
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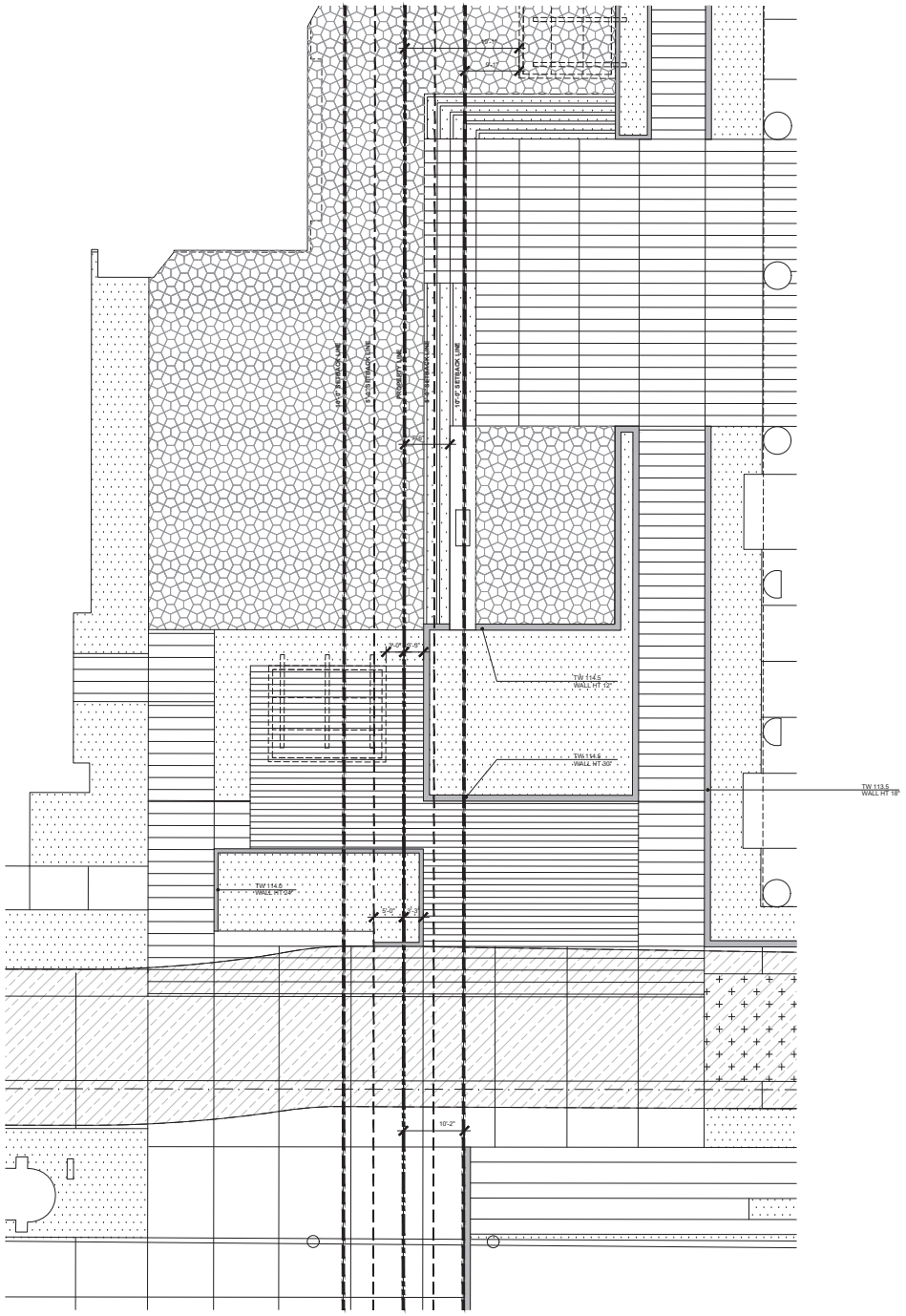

WALL SCHEDULE - GRADE

SYMBOL	ITEM/DESCRIPTION	MATERIAL	COLOR/FINISH/MODEL
W01	PLANTER WALL/ RETAINING WALL	CAST IN PLACE CONCRETE	CAST IN PLACE CONCRETE. DAVIS COLOR PALOMINO W/ VERTICAL BOARD FORMED FINISH. SEE PLANS FOR WALL CONDITIONS AND HEIGHTS
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W09	STEPPED WOOD SEATING	C.I.P. CONCRETE WOOD	CAST-IN-PLACE CONCRETE SEAT WALL W/ RECLAIMED WOOD SLATS TO MATCH ADJACENT WOOD DECKING

LEGEND

PROPERTY LINE

SETBACK LINE

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1/8"=1'-0"

NORTH

LRM

LANDSCAPE ARCHITECTURE | URBAN DESIGN

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

11/20/2021 PLANNING SUBMITTAL

L1 CONSTRUCTION ENLARGEMENT PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L1.3

SEAT WALL | SCALE NTS | 2

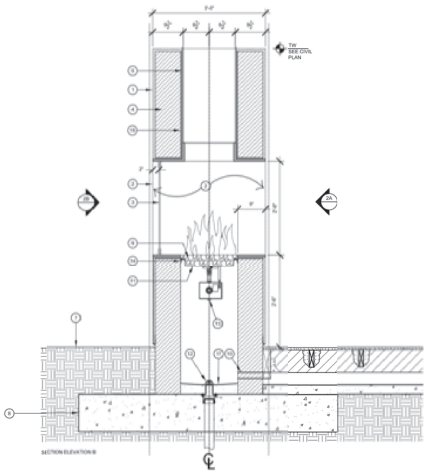
FIREPLACE 1 - 5'-0" WIDE X 31'-0" LONG X 10'-0" HIGH

STEEL SUPPORT POST

SMOOTH PLASTER STUCCO FINISH

FIREPLACE 2 - 4'-6" WIDE X 34'-0" LONG X 9'-0" HIGH

SMOOTH PLASTER STUCCO FINISH



LEGEND

NOTES:

FIREPLACE | SCALE NTS | 1

LRM

LANDSCAPE ARCHITECTURE | URBAN DESIGN

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

11/20/2021 | PLANNING SUBMITTAL

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NORTH

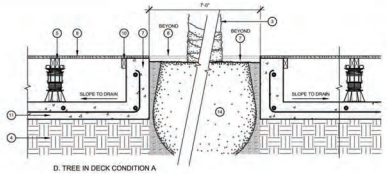
CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

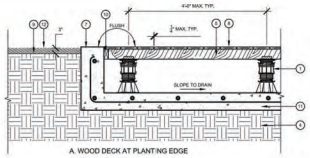
WARE MALCOMB

LAX20-0012-00
03.17.2021

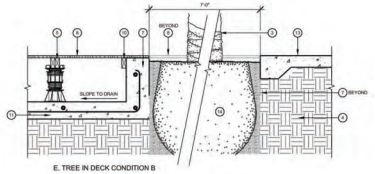
SHEET
L2.0



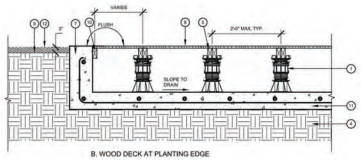
D. TREE IN DECK CONDITION A



A. WOOD DECK AT PLANTING EDGE



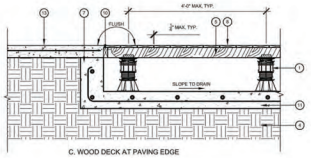
E. TREE IN DECK CONDITION B



B. WOOD DECK AT PLANTING EDGE

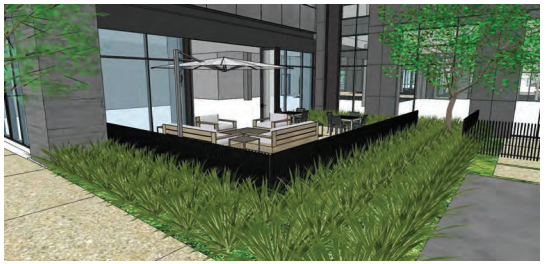
1. TOURNESOL VERSIBACK PEDESTAL SYSTEM WITH BEAM HOLDER AND SLOPE CORRECTORS.
2. NOT USED
3. PALM TRUNK.
4. COMPACT SUBGRADE PER GEOTECHNICAL ENGINEERS RECOMENDATIONS
5. 2 x 4 DOUGLAS FIR TWINNED JOIST. SET IN BEAM HOLDER.
6. NOT USED
7. CAST IN PLACE CONCRETE CHEEK WALL, 8" THICK. REINFORCE PER STRUCTURAL
8. 1-4-6 PE WOOD DECKING. ATTACH WITH #8 STAINLESS STEEL WOOD SCREWS, ALIGN ALL DIRECTIONS
9. FINISH GRADE OF PLANTER, TYP.
10. 2 x 4 DOUGLAS FIR LEDGER BOARD. ATTACH TO ADJACENT CONCRETE CHEEK WALL. BACK-CUT 8" ATTACHING TO CURVED SURFACE
11. 5" THICK CONCRETE SUB-SLAB. TYP. SLOPE TO DRAIN. REINFORCE PER STRUCTURAL
12. MULCH. SEE SPECS.
13. ADJACENT PAVING, SEE CONSTRUCTION PLAN
14. PALM FOOTBALL

NOTE:
1. ALL PT TO BE FINISHED WITH PENOFIN OIL, COLOR: TRANSPARENT NUTURAL, AND ENDS TO BE WAXED.
2. ALL DOUGLAS FIR - USE PRESSURE TREATED DOUGLAS FIR #1 OR BETTER.
3. PROVIDE SHOP DRAWINGS FOR REVIEW & APPROVAL



C. WOOD DECK AT PAVING EDGE

WOOD DECKING | SCALE NTS | 2



PATIO ENCLOSURE | SCALE NTS | 1

BIKE RACK | SCALE NTS | 3

LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLTD.COM CA PLA 4326

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

11/20/2021 | PLANNING SUBMITTAL | D

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

NORTH

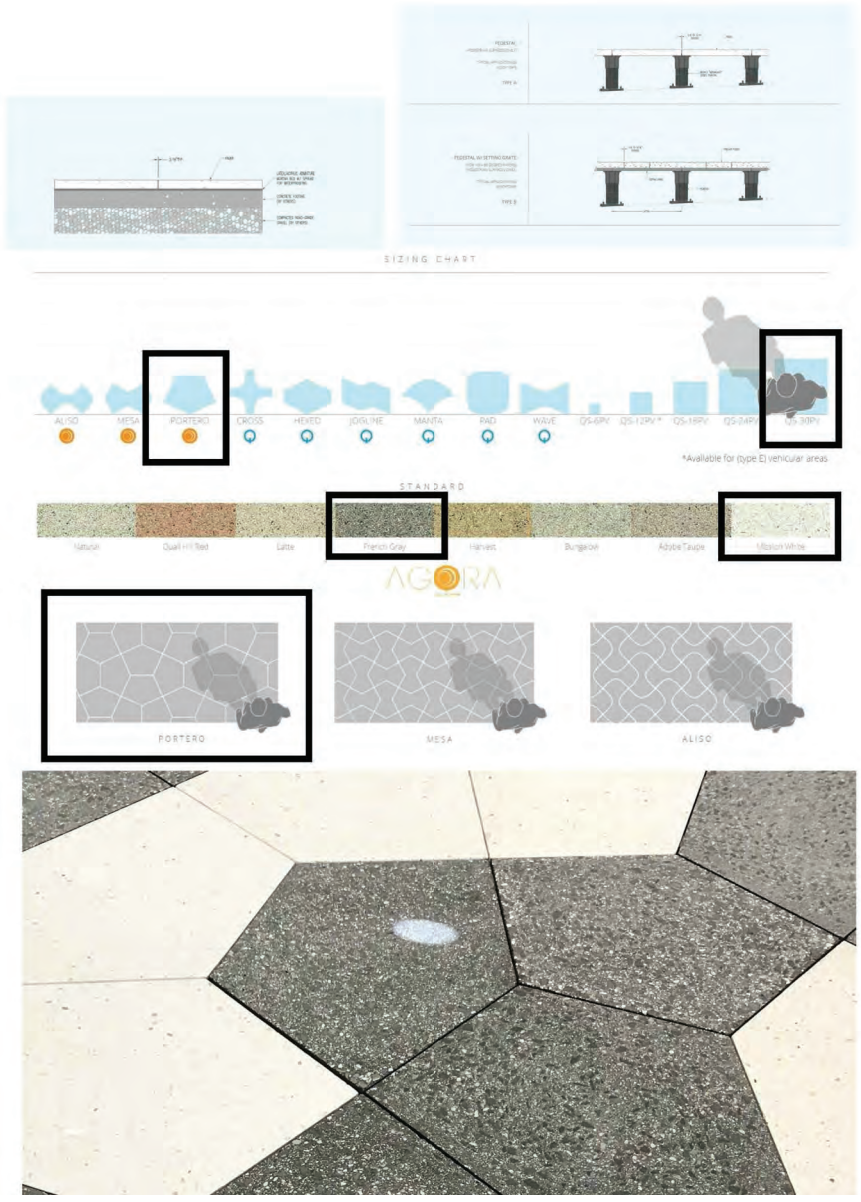
CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L2.1



PRECAST CONCRETE PAVER | SCALE NTS | 2

PLANTED STEPS | SCALE NTS | 1

LRM

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

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NORTH

11/20/2021 | PLANNING SUBMITTAL | D

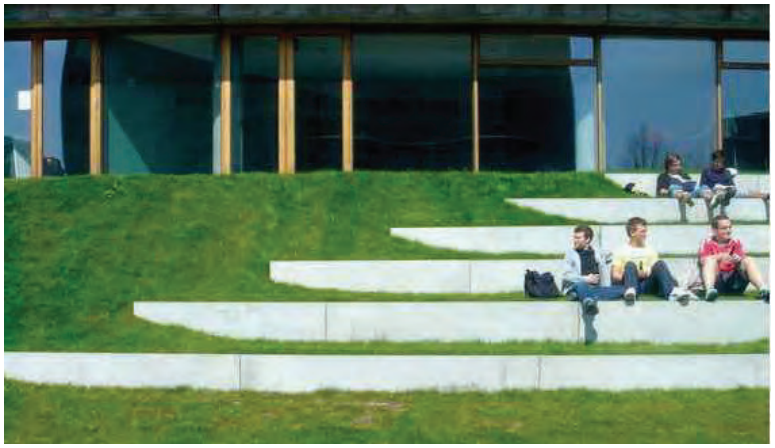
CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L2.2



STEP SEATING | SCALE NTS | 1

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NORTH

CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

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LAX20-0012-00
03.17.2021

SHEET
L2.3

LRM

REVISIONS

REV	DATE	DESCRIPTION
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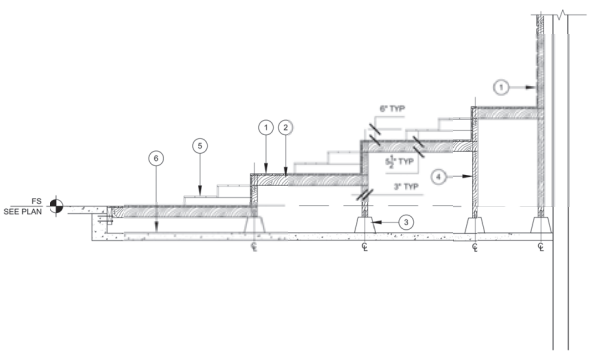
1 | PLANNING SUBMITTAL | 11/20/2021



1. 1 x 6 IPE WOOD DECKING (FULL LENGTH), ATTACH WITH STAINLESS STEEL WOOD SCREWS.
2. PT WOOD FRAMING
3. PEDESTAL
4. 4X4 PT WOOD POST
5. WOOD STEP BEYOND WHERE OCCURS
6. STRUCTURAL SLAB, SEE ARCH

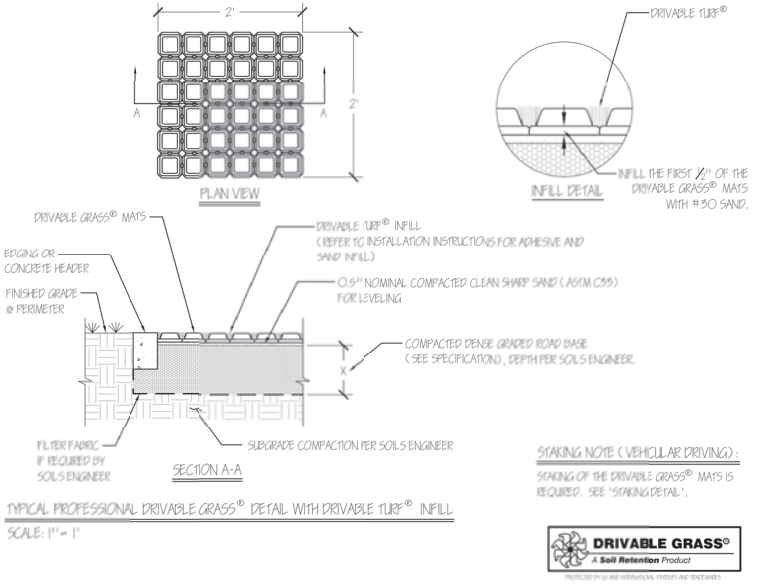
NOTE:
1. ALL IPE TO BE FINISHED WITH PENOFIN OIL, COLOR: TRANSPARENT NATURAL, AND ENDS TO BE WAXED.

2. ALL DOUGLAS FIR - USE PRESSURE TREATED DOUGLAS FIR #1 OR BETTER.

3. PROVIDE SHOP DRAWINGS AT ALL DECK LOCATIONS FOR REVIEW & APPROVAL. SEE 1/L2.01 FOR EDGE DETAILS.

4. PROVIDE ACCESS HATCH WITH FINGER HOLES OVER WATER FEATURE VAULT.

STEPPED WOOD SEATING | SCALE NTS | 2



TYPICAL PROFESSIONAL DRIVABLE GRASS® DETAIL WITH DRIVABLE TURF® INFILL
SCALE: 1" = 1'

STAKING NOTE (VEHICULAR DRIVING):
STAKING OF THE DRIVABLE GRASS® MATS IS REQUIRED. SEE 'STAKING DETAIL'.

DRIVABLE GRASS®
A Soil Retention Product
PROTECTED BY U.S. AND INTERNATIONAL PATENTS AND TRADEMARKS

FIRELANE | SCALE NTS | 1

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REVISIONS

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1	3/17/21	PLANNING RESUBMITTAL

11/20/2021 | PLANNING SUBMITTAL

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NORTH

CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

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LAX20-0012-00
03.17.2021

SHEET
L2.4

IPE WOOD DECKING

DAVIS COLOR PALOMINO

DAVIS COLOR COBBLESTONE

TOPCAST FINISH WITH SAWCUT JOINTS

CONCRETE FLATWORK

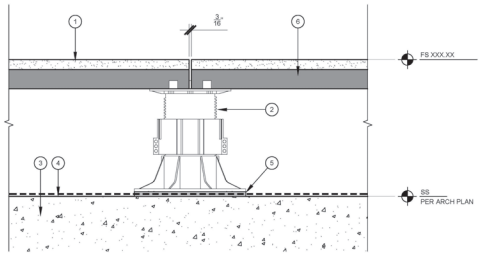
SCALE NTS 2

1. PEDESTAL PAVER, SEE CONSTRUCTION PLAN/PAVING SCHEDULE FOR COLOR AND FINISH
2. PEDESTAL SUPPORT SYSTEM PER TILE TECH OR SIMILAR. FINAL MANUFACTURER SELECTION BY OWNER.
3. STRUCTURAL SLAB PER ARCHITECT'S DRAWINGS
4. WATERPROOFING PER ARCHITECT'S DRAWINGS
5. PEDESTAL SHIM PER MANUFACTURER
6. HEX-TRAY WIND UPLIFT SYSTEM PER TILE TECH OR SIMILAR. FINAL MANUFACTURER SELECTION BY OWNER. ADHERE PEDESTAL PAVER PER MANUFACTURER RECOMMENDATIONS.

NOTES TO CONTRACTOR

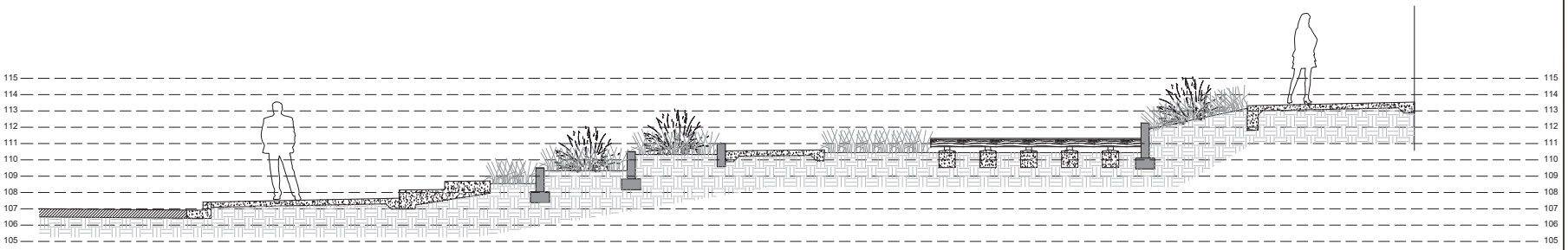
A. CONTRACTOR SHALL SUBMIT SCALED SHOP DRAWINGS OF ALL PEDESTAL PAVER LAYOUT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING ANY WORK.

B. PEDESTAL SUPPORT SYSTEM TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND TYPICAL DETAILS. COORDINATE WITH MANUFACTURER FOR ALL SHOP DRAWINGS AND COMPLETE LIST OF PARTS AND MATERIALS NEEDED TO COMPLETE WORK.



PEDESTAL PAVERS

SCALE NTS 1



FRONTAGE SECTION

SCALE NTS 3

LRM

LANDSCAPE ARCHITECTURE | URBAN DESIGN

LRMLTD.COM CA PLA 4326

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

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11/20/2021 | PLANNING SUBMITTAL | 0

NORTH

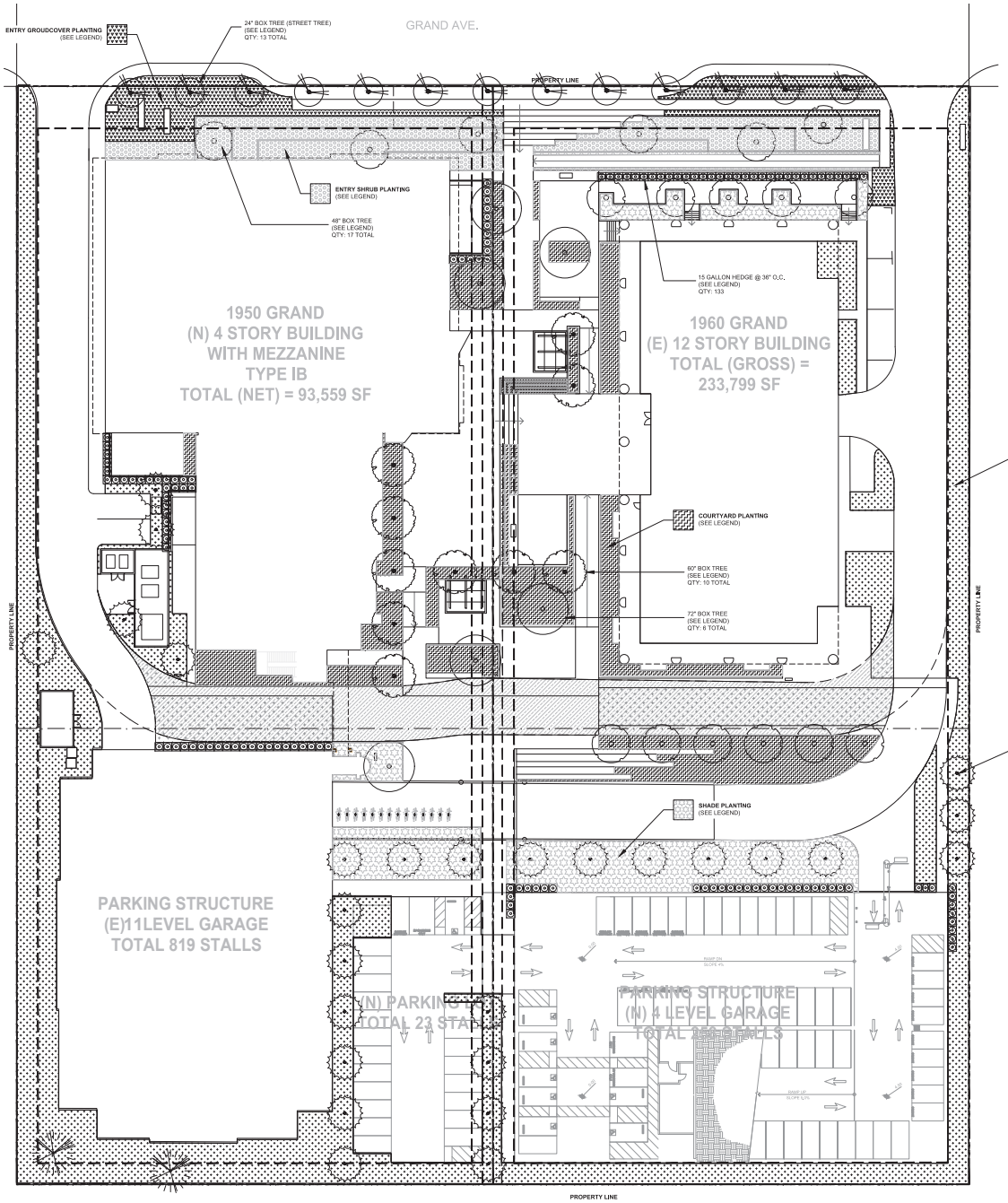
CONSTRUCTION DETAILS

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L2.5



PLANT LEGEND - TREES

SYMBOL	DESCRIPTION	SIZE
	PLATANUS RACEMOSA *CALIFORNIA SYCAMORE* **LOPHOSTOMON CONFERTA** *BRISBANE BOX*	24" BOX
	ULMUS PARVIFOLIA *CHINESE ELM*	36" BOX
	ACACIA BAILEYANA *GOLDEN MIMOSA TREE* **ARBUTUS 'MARINA'** *MARINA STRAWBERRY TREE* **EUPHORBIA COTINIFOLIA** *COPPER PLANT*	48" BOX
	OLEA EUROPAEA *OLIVE TREE* **ULMUS PARVIFOLIA** *CHINESE ELM*	60" BOX
	JACARANDA MIMOSIFOLIA *JACARANDA TREE* **TIPUANA TIPU** *TIPU TREE*	72" BOX
	EXISTING TREE TO REMAIN	–

PLANT LEGEND - SHRUBS

	DESCRIPTION	SIZE
	SCREENING HEDGE **FICUS MICROCARPA NITIDA 'GREEN GEM'** *GREEN GEM FIG* **LIGUSTRUM TEXANUM** *WAXLEAF PRIVET*	15 GAL @ 36" O.C.
	ENTRY GROUNDCOVER **BOUTELOUA GRACILIS** *GRAMA GRASS* **FESTUCA GLAUCA** *BLUE FESCUE* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **SENECIO SPP.** *CHALK STICKS* **WESTRINGIA 'WUNDI'** *CREEPING COAST ROSEMARY*	MIX OF: 75% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	ENTRY SHRUBS **AGAVE SPP.** *AGAVES* **LEYMUS CONDINSATUS 'C.P.'** *CANYON PRINCE WILD RYE* **PENNISETUM 'FAIRY TAILS'** *EVERGREEN FOUNTAIN GRASS* **PHORMIUM 'AMAZING RED'** *RED NEW ZEALAND FLAX*	MIX OF: 75% 5 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	COURTYARD PLANTING **BOUTELOUA GRACILIS** *GRAMA GRASS* **DIANELLA CAERULEA 'CASSA BLUE'** *BLUE FLAX LILY* **KALANCHOE SPP.** *SPOON PLANT* **OLEA EUROPAEA 'MONTRA'** *LITTLE OLIVE DWARF OLIVE* **PENNISETUM SPATHIOLATUM** *SLENDER VELDT GRASS* **SALVIA APIANA** *WHITE SAGE* **SENECIO VITALIS** *NARROW LEAF CHALK STICKS*	MIX OF: 90% 5 GAL @ 24" O.C. 90% 1 GAL @ 18" O.C.
	SHADE PLANTING **AGAVE SPP.** **AGAVE ATTENUATA** *FOXTAIL AGAVE* **DIANELLA TASMANICA 'VARIEGATA'** *STRIPED FLAX LILY* **LOMANDRA LONGIFOLIA 'BREEZE'** *DWARF MAT RUSH* **SANSEVIERIA TRIFASCIATA** *MOTHER IN LAW'S TONGUE*	MIX OF: 90% 5 GAL @ 24" O.C. 90% 1 GAL @ 18" O.C.
	PERIMETER/MASS PLANTING **ALOE ARBORESCENS** *TORCH ALOE* **FURCRAEA FOETIDA 'MEDIOPICTA'** *VARIEGATED MAURITIUS HEMP* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **ROSMARINUS OFFICINALIS 'PROSTRATUS'** *CREEPING ROSEMARY* **SENECIO MANDRALISCAE** *BLUE CHALK STICKS*	MIX OF: 25% 15 GAL @ 36" O.C. 25% 5 GAL @ 24" O.C. 25% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.

PLANTING NOTES:

ALL LANDSCAPING SHALL BE LOW PROFILE AROUND PERIMETER FENCING, WINDOWS, DOORS AND ENTRYWAYS, TAKING SPECIAL CARE NOT TO LIMIT VISIBILITY OR PROVIDE CLIMBING ACCESS. FLORAL OR GRASS GROUND COVER IS RECOMMENDED. BUSHES SHALL BE TRIMMED TO 2 TO 3 FEET AND AWAY FROM BUILDINGS. DENSE BUSHES SHALL NOT BE CLUMPED TOGETHER. THIS PROVIDES A HIDING PLACE FOR CRIMINAL ACTIVITY. TREES SHALL BE TRIMMED UP TO 7 FEET.

TREES/BUSHES/SHRUBS SHALL NOT BE PLANTED NEXT TO OR NEAR ANY LIGHT FIXTURE OR LIGHT STANDARD, WHEN GROWN TO MATURITY THIS LANDSCAPING WILL BLOCK THE LIGHT AND REDUCE LIGHTING ON THE GROUND SURFACE.

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLTD.COM CA RLA #326

REVISIONS

REV	DATE	DESCRIPTION
A	3/17/21	PLANNING RESUBMITTAL
1	4/7/21	PLANNING RESUBMITTAL

11/2/2021 | PLANNING SUBMITTAL

3/64"=1'-0"

NORTH

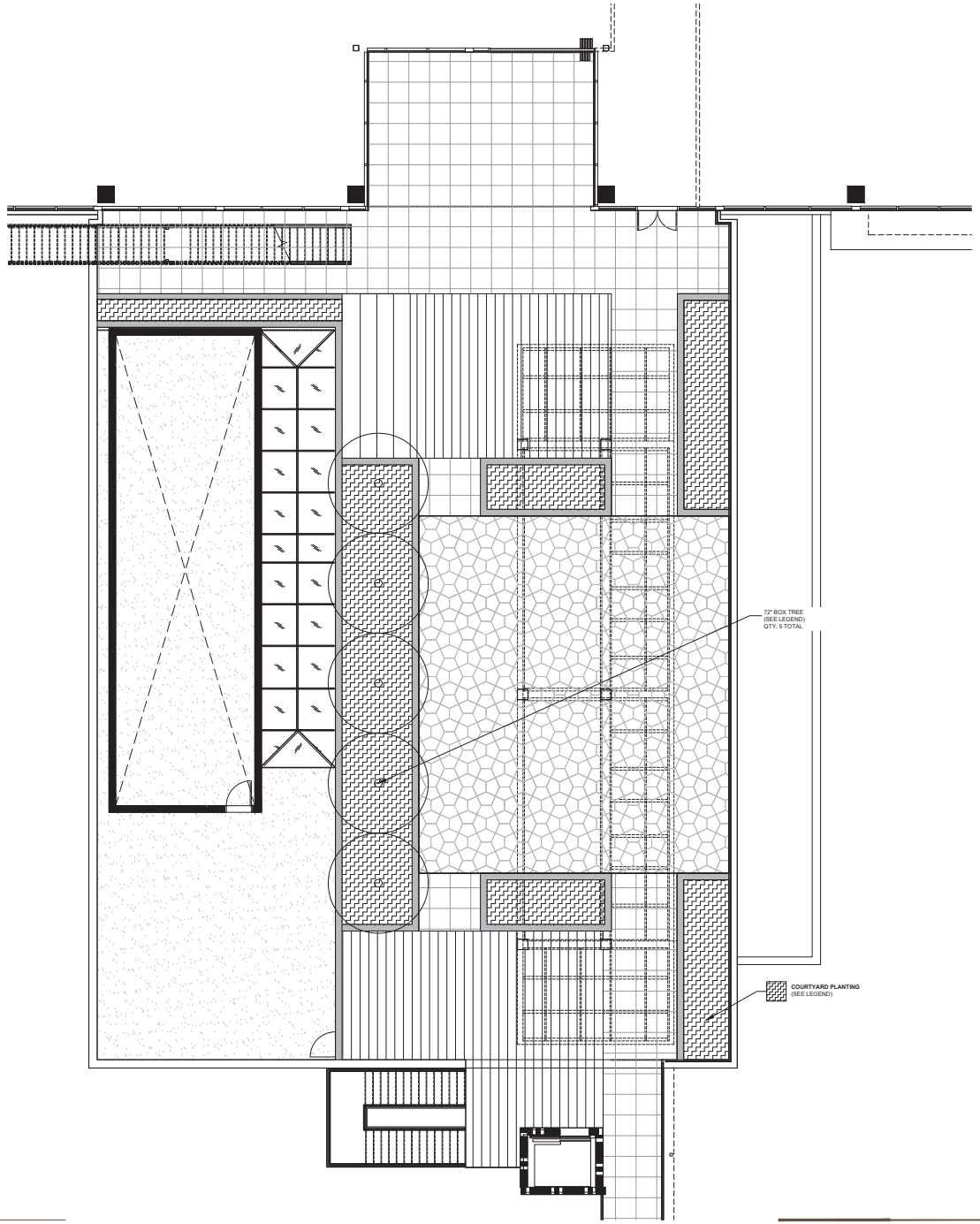
L1 PLANTING PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
04.07.2021

SHEET
L3.0



PLANT LEGEND - TREES

SYMBOL	DESCRIPTION	SIZE
	PLATANUS RACEMOSA *CALIFORNIA SYCAMORE* **LOPHOSTOMON CONFERTA** *BRISBANE BOX*	24" BOX
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	OLEA EUROPAEA *OLIVE TREE* **ULMUS PARVIFOLIA** *CHINESE ELM*	60" BOX
	JACARANDA MIMOSIFOLIA *JACARANDA TREE* **TIPUANA TIPU** *TIPU TREE*	72" BOX
	EXISTING TREE TO REMAIN	--

PLANT LEGEND - SHRUBS

	DESCRIPTION	SIZE
	SCREENING HEDGE/BAMBOO **BAMBUSA MULTIPLEX 'ALPHONSE KARR'** *A.K. BAMBOO* **PITTOSPORUM TEN. 'SILVER SHEEN'** *SILVER KOHUHU* **PODOCARPUS GRACILIOR** *FERN PODOCARPUS* **WESTRINGIA 'WYNYABBIE GEM'** *COAST ROSEMARY*	15 GAL @ 36" O.C.
	ENTRY GROUNDCOVER **BOUTELOUA GRACILIS'** *GRAMA GRASS* **FESTUCA GLAUCA** *BLUE FESCUE* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **SENECIO SPP.** *CHALK STICKS* **WESTRINGIA 'MUNDI'** *CREEPING COAST ROSEMARY*	MIX OF: 75% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	ENTRY SHRUBS **AGAVE SPP** *AGAVES* **LEYMUS CONDENSATUS 'C.P.'** *CANYON PRINCE WILD RYE* **PENNISETUM 'FAIRY TAILS'** *EVERGREEN FOUNTAIN GRASS* **PHORMIUM 'AMAZING RED'** *RED NEW ZEALAND FLAX*	MIX OF: 75% 5 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.
	COURTYARD PLANTING **BOUTELOUA GRACILIS** *GRAMA GRASS* **DIANELLA CAERULEA 'CASSA BLUE'** *BLUE FLAX LILY* **KALANCHOE SPP** *SPOON PLANT* **OLEA EUROPAEA 'MONTRA'** *LITTLE OLLIE DWARF OLIVE* **PENNISETUM SPATHIOLATUM** *SLENDER VELDT GRASS* **SALVIA APIANA** *WHITE SAGE* **SENECIO VITALIS** *NARROW LEAF CHALK STICKS*	MIX OF: 50% 5 GAL @ 24" O.C. 50% 1 GAL @ 18" O.C.
	SHADE PLANTING **AECHMEA SPP** **AGAVE ATTENUATA** *FOXTAIL AGAVE* **DIANELLA TASMANICA 'VARIEGATA'** *STRIPED FLAX LILY* **LOMANDRA LONGIFOLIA 'BREEZE'** *DWARF MAT RUSH* **SANSEVIERIA TRIFASCIATA** *MOTHER IN LAW'S TONGUE*	MIX OF: 50% 5 GAL @ 24" O.C. 50% 1 GAL @ 18" O.C.
	PERIMETER/MASS PLANTING **ALOE ARBORESCENS** *TORCH ALOE* **FURCRAEA FOETIDA 'MEDIOPICTA'** *VARIEGATED MAURITIUS HEMP* **MYOPORUM PARVIFOLIUM** *CREEPING MYOPORUM* **ROSMARINUS OFFICINALIS 'PROSTRATUS'** *CREEPING ROSEMARY* **SENECIO MANDRALISCAE** *BLUE CHALK STICKS*	MIX OF: 25% 15 GAL @ 36" O.C. 25% 5 GAL @ 24" O.C. 25% 1 GAL @ 36" O.C. 25% 1 GAL @ 18" O.C.

PLANTING NOTES:

ALL LANDSCAPING SHALL BE LOW PROFILE AROUND PERIMETER FENCING, WINDOWS, DOORS AND ENTRYWAYS, TAKING SPECIAL CARE TO PLANT VISIBILITY CORRIDORS. CLIMBING VINES OR ORAL OR GROUND COVERS SHALL NOT BE PLANTED. BUSHES SHALL BE TRIMMED TO A TO 3 FEET AND AWAY FROM BUILDINGS. SHRUB BUSHES SHALL NOT BE CLUMPED TOGETHER. THIS PROVIDES A HIDING PLACE FOR CRIMINALS. TREES SHALL BE TRIMMED UP TO 7 FEET.

TREES SHALL BE PLANTED AT A DISTANCE FROM BUILDINGS SO THAT ANY LIGHT FIXTURES ARE NOT OBSTRUCTED BY TREES AT FULL MATURITY. TREES SHALL BE PLANTED AT A DISTANCE TO REDUCE LIGHTING ON THE GROUND SURFACE.

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possible boundary site survey information. Elements and site features may be adjusted, moved, or added during the preparation of construction documents.

3/16"=1'-0"

NORTH

L3 PLANTING PLAN

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L3.1

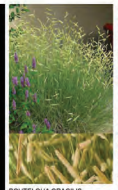
LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLTD.COM CA PLA 6326

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

11/20/2021 | PLANNING SUBMITTAL

grasses



BOUTELOUA GRACILIS
'BLONDE AMBITION'
blonde ambition blue grama grass
1 GAL @ 12" O.C.

FESTUCA GLAUCA 'ELIJAH BLUE'
blue fescue
1 GAL @ 12" O.C.

LEYMUS CONDENSATUS
'CANYON PRINCE'
canyon prince wild rye
1 GAL @ 12" O.C.

LOMANDRA LONGIFOLIA
'BREEZE'
dwarf mat rush
1 GAL @ 12" O.C.

PENNISETUM 'FAIRY TAILS'
everygreen fountain grass
1 GAL @ 12" O.C.

PENNISETUM SPATHIOLATUM
slender veldt grass
1 GAL @ 12" O.C.

groundcovers

MYOPORUM PARVIFOLIUM
'PUTAH CREEK'
creeping myoporum
4" POTS @ 6' O.C.

SENECIO MANDRALISCAE
blue chalk sticks
1 GAL @ 12" O.C.

SENECIO VITALIS
narrow leaf chalk sticks
1 GAL @ 12" O.C.

TRADESCANTIA SPATHACEA
moses in the cradle
1 GAL @ 8" O.C.

shrubs

AGAVE 'BLUE FLAME'
blue flame agave
5 GAL @ 18" O.C.

AGAVE 'BLUE GLOW'
blue glow agave
5 GAL @ 18" O.C.

AGAVE DESMETTIANA
smooth agave
15 GAL @ 30"X30"

ALOE ARBORESCENS
tree aloe
5 GAL @ 24" O.C.

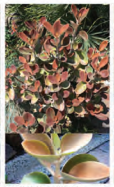
CHONDROPETALUM TECTORUM
small cape rush
5 GAL @ 18" O.C.

DIANELLA CAERULEA 'CASSA BLUE'
blue flax lily
5 GAL @ 18" O.C

FURCRAEA FOETIDA
'MEDIOPICTA'
variegated mauritius hemp
15 GAL @ 30"X30"

JUNCUS INFLEXUS
'BLUE ARROWS'
blue arrows rush
5 GAL @ 18" O.C.

KALANCHOE HILDEBRANDTII
silver spoon



KALANCHOE ORGYALIS
copper spoon

OLEA EUROPAEA 'MONTRA'
little ollie dwarf olive
5 GAL @ 18" O.C.

PHORMIUM 'AMAZING RED'
amazing red new zealand flax
5 GAL @ 18" O.C.

PITTOSPORUM CRASSIFOLIUM
'COMPACTUM'
karo
5 GAL @ 24" O.C.

ROSMARINUS OFFICINALIS
'PROSTRATUS'
trailing rosemary
5 GAL @ 18" O.C.

WESTRINGIA FRUTICOSA
'MORNING LIGHT'
coast rosemary
5 GAL @ 24" O.C.

WESTRINGIA FRUTICOSA
'SMOKEY'
smokey coast rosemary
5 GAL @ 18" O.C.

shade plants

AEONIUM SPP

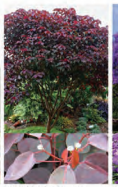
AGAVE ATTENUATTA
fox tail agave -MIX TO CREATE NATURAL CLUMP
5 GAL @ 18" O.C.
15 GAL @ 24" O.C.

SANSEVIERIA TRIFASCIATA
'LAURENTII'
striped mother-in-laws tongue
8" POTS @ 12" O.C..

trees

ACACIA BAILEYANA
golden mimosa tree
48" BOX

ARBUTUS 'MARINA'
marina strawberry tree
48" BOX



EUPHORBIA COTINIFOLIA
caribbean copper plant
48" BOX

JACARANDA MIMOSIFOLIA
jacaranda tree
72" BOX

KOELREUTERIA BIPINNATA
chinese flame tree
72" BOX

OLEA EUROPAEA
olive
72" BOX

PLATANUS RACEMOSA
california sycamore
24" BOX

PRUNUS CERASIFERA
'KRAUTER VESUVIUS'
krauter vesuvius purple leaf plum
48" BOX

TIPUANA TIPU
tipu tree
72" BOX

ULMUS PARVIFOLIA
chinese elm
36" BOX
60" BOX

hedges

BUXUS MICROPHYLLA JAPONICA 'GREEN BEAUTY'
green beauty boxwood
15 GAL @ 24" O.C.

FEIJOA 'SELLOWIANA
pineapple guava
15 GAL @ 24" O.C.

FICUS MICROCARPA NITIDA 'GREEN GEM'
green gem fig
15 GAL @ 24" O.C.

LIGUSTRUM TEXANUM
waxleaf privet
15 GAL @ 24" O.C.

PITTOSPORUM CRASSIFOLIUM 'COMPACTUM'
karo
15 GAL @ 24" O.C.

PITTOSPORUM TENUIFOLIUM 'SILVER SHEEN'
silver sheen kohuhu
15 GAL @ 24" O.C.

PODOCARPUS GRACILIOR
fern podocarpus
15 GAL @ 24" O.C.

PODOCARPUS MACROPHYLLUS
yew podocarpus
15 GAL @ 24" O.C.

WESTRINGIA 'WYNYABBIE GEM'
coast rosemary
15 GAL @ 24" O.C.

bamboo

BAMBUSA MULTIPLEX
'ALPHONSE KARR'
alphonse karr bamboo
5 GAL @ 36" O.C.

BAMBUSA OLDHAMII
giant timber bamboo
15 GAL @ 30" O.C.

PLEIOBLASTUS FORTUNEI
dwarf whitestripe bamboo
5 GAL @ 24" O.C.

SASAELLA MASAMUNEANA
'ALBOSTRIATA'
white striped dwarf bamboo
5 GAL @ 24" O.C.

LRM
LANDSCAPE ARCHITECTURE | URBAN DESIGN
LRMLA.COM CA PLA 6326

REVISIONS

REV	DATE	DESCRIPTION
1	3/17/21	PLANNING RESUBMITTAL

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed.

3/16"=1'-0"

NORTH

11/20/2021 | PLANNING SUBMITTAL

PLANT PALETTE

1950 GRAND
El Segundo, California

WARE MALCOMB

LAX20-0012-00
03.17.2021

SHEET
L3.2

Michael Baker
INTERNATIONAL

Appendix B
Project Photometric Study and Luminaire Schedule and Datasheets

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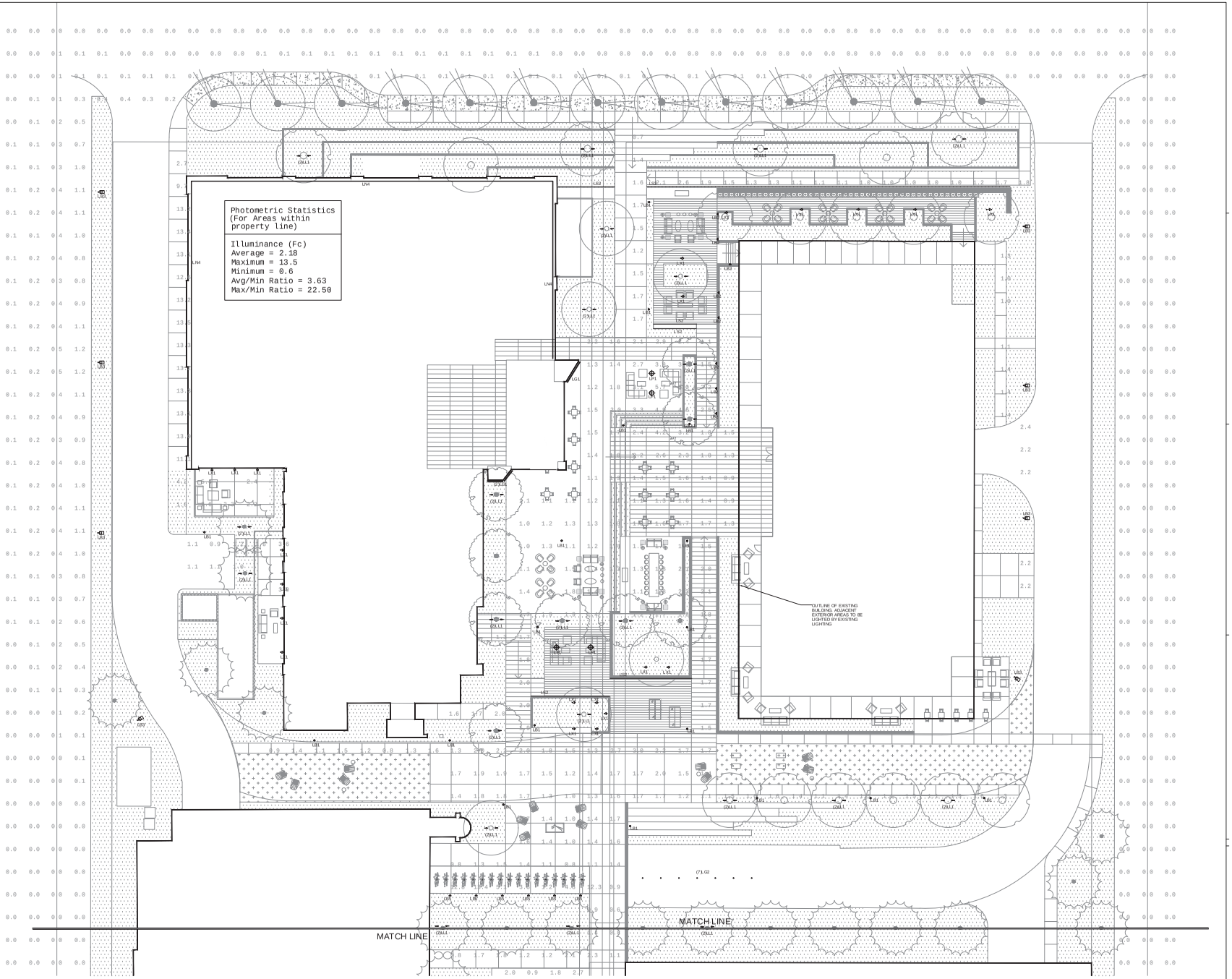
CAUTION: IF THIS SHEET IS NOT 30"x42" IT IS A REDUCED PRINT



1 SITE LIGHTING PHOTOMETRIC PLAN - A
SCALE: 1/16" = 1'-0"

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civil engineering
915 Wilshire Blvd. Suite 2150
Los Angeles, CA 90017
P 213.955.1000

OCULUS
LIGHT STUDIO

1950 & 1960 EAST GRAND AVENUE

1950 & 1960 East Grand Avenue
El Segundo, California

DESCRIPTION	DATE
REMARKS	10/29/2020

PA/PM:
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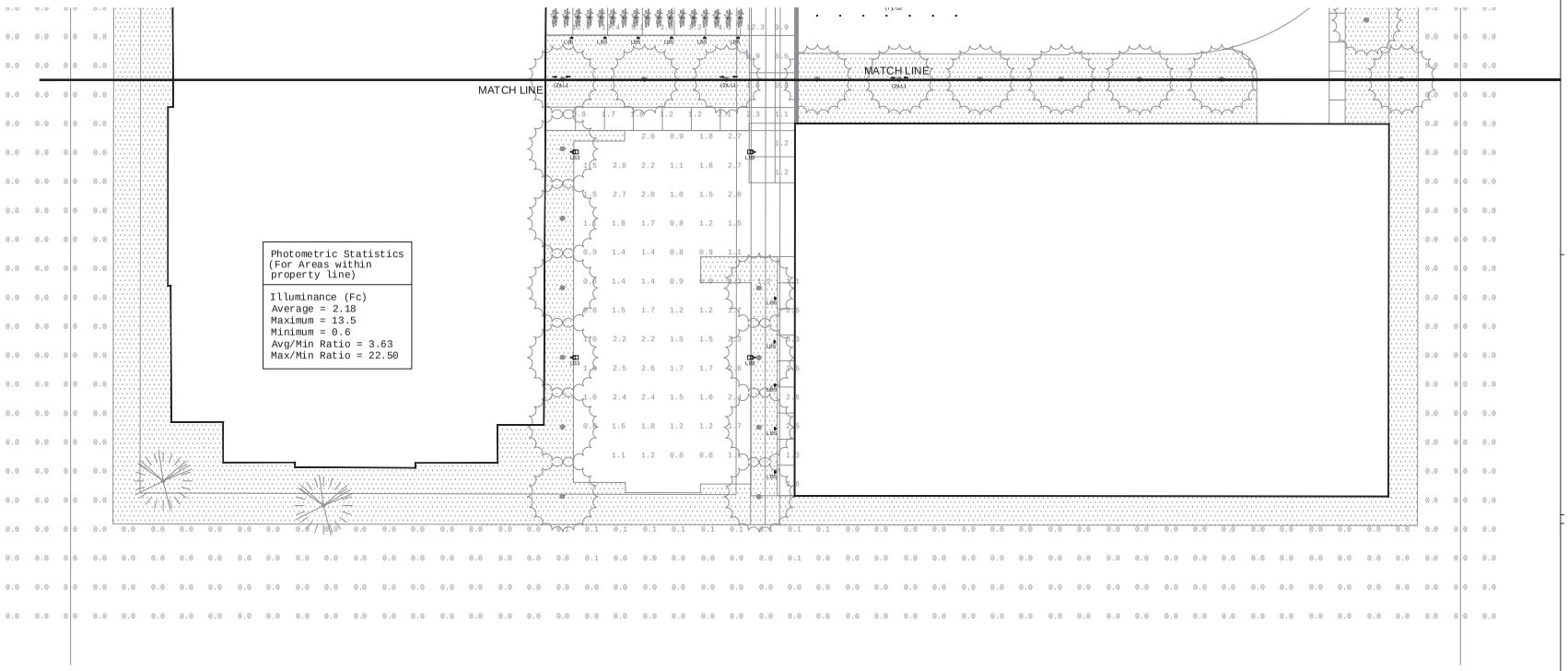

1 SITE LIGHTING PHOTOMETRIC PLAN - B
SCALE: 1/16" = 1'-0"

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OCULUS
LIGHT STUDIO
6955 Green Valley Circle Ste 200
Culver City CA 90230 USA
P: +1 310 730 9300
F: +1 310 730 9377
www.oculuslightstudio.com

1950 & 1960 EAST GRAND AVENUE

1950 & 1960 East Grand Avenue
El Segundo, California

DESCRIPTION	DATE
REMARKS	10/29/2020

PA/PM:
DRAWN BY:
JOB NO:

SHEET
LT-S02

10/29/2020 10:51:09 AM

OCULUS
LIGHT STUDIO

1950 Grand
El Segundo, CA, USA

LUMINAIRE SCHEDULE and DATASHEETS

Initial Issue Date
October 30, 2020

Latest Revision Date

Revisions:

OCULUS LIGHT STUDIO

LOS ANGELES | 5855 Green Valley Circle Ste 306 Culver City CA 90230 USA +1 310 715 8333
SEATTLE | 107 Spring Street Seattle WA 98104 USA +1 206 876 8555

www.oculuslightstudio.com

GENERAL NOTES:

1. Luminaires shall have appropriate UL or other labels as required by local codes.
2. Luminaires shall include accessories for installation according to local and national codes.
3. Contractor shall verify the following prior to ordering luminaires:
   a. locations and recess depths and any structural and other conflicts.
   b. final voltages and ceiling trim compatibility.
   c. ceilings more than 3/4" thick which limits trim compatibility.
   d. luminaires in insulated ceilings, necessitating the need for insulated ceiling type housings.
4. Contractor shall provide approved fire-rated enclosures for luminaires located in a fire-rated ceiling.
5. Responsibility for emergency lighting, code compliance, and circuiting to meet code conformance remains with the Architect and Electrical Engineer as required by law.
6. Contractor shall submit luminaire substitutions prior to bid for review. Contractor shall supply a sample and/or photometric data if requested. If substitution is rejected, Contractor shall provide specified product.
7. Luminaire voltages to be determined by Project Electrical Engineer.
8. All luminaire sockets shall be labeled permanently, in the factory, with wattages indicated in "Lamp Specification" column, not maximum wattages.
9. Electrical Engineer may wire non-adjustable fixtures with emergency circuit(s) and power as needed.

LAST REVISIONS IN **BOLD**

1950 Grand							**Initial Issue:**	**October 30, 2020**
El Segundo, CA, USA							**Latest Issue:**	
Type	**Description**	**Luminaire Specification**	**Lamp Specification**	**Input Watts**	**Dimming Load Type**	**Luminaire Notes**	**Location**	**Rev No.**
LB1	LED pole-mounted area light with: Dimensions: 18" Diam x 9.25" H (luminaire), 14' H (pole) Finish: black Optics: Type V Accessories: Listings: UL, wet	Landscape Forms Motive	(Integral) Nominal lumens: 2761 lm CCT: 3000K CRI: 80+	31.7W	0-10V		Throughout	
LB2	LED bollard with: Dimensions: 8 5/8" W x 2 5/8" D x 22 7/8" H Finish: aluminum/wood Accessories: Listings: UL, wet	Sistemalux Mini Look	(Integral) Nominal lumens: 334 lm CCT: 3000K CRI: 90	12.5W			Feature seating areas	
LB3	LED pole-mounted area light with: Dimensions: 35.25" W x 7.5" H x 2.5" D (luminaire), 20' H (pole) Finish: TBD by architect Optics: Type II Accessories: Listings: UL Wet	Landscape Forms Rama	(Integral) Nominal lumens: 5332 lm CCT: 3000K CRI: 80	53W	0-10V		Driveway, parking	

1950 Grand							Initial Issue:	October 30, 2020
El Segundo, CA, USA							Latest Issue:	
Type	**Description**	**Luminaire Specification**	**Lamp Specification**	**Input Watts**	**Dimming Load Type**	**Luminaire Notes**	**Location**	**Rev No.**
LB4	LED pole-mounted area light with: Dimensions: 13" W x 33" L x 7.5" H (luminaire), 14′ H (pole) Finish: black Optics: T4M distribution Accessories: Listings: UL, wet	Lithonia DSX1	(Integral) Nominal lumens: 18840 lm CCT: 3000K CRI: 70	183W	0-10V		Parking	
LB5	LED bollard with: Dimensions: 7.9" W x 4.5" W x 16 32/40" H Finish: black Optics: Adjustable Listings: UL, wet	Targetti Zedge Pro	(Integral) Nominal lumens: 470 lm CCT: 3000K CRI: 84	15W	0-10V		Bike rack and walkways	
LD1	LED recessed downlight with: Dimensions: 6" Dia x 6" H Finish: textured black Optics: 60˚ beam Listings: UL	ALW Nova	(Integral) Nominal lumens: 1000 lm CCT: 3000K CRI: 80	8	0-10V		Exterior deck, canopies	
LG1	LED linear ingrade luminaire with: Dimensions: 2.13" W x 46.65" L Optics: Accessories: Listings: UL, wet	Targetti Jedi	(Integral) Nominal lumens: 1430 lm/ft CCT: 3000K CRI: 80+	14W/ft	0-10V		Parking structure façade	
LG2	LED ingrade uplight with: Dimensions: 6.34" Diam aperture Optics: Accessories: Listings: UL, wet	Targetti Keplero Mini Gimbal	(Integral) Nominal lumens: 568 lm CCT: 3000K CRI: 80+	11W	0-10V		Under bridge, parking façade	
LL1	LED stake-mounted adjustable accent light with: Dimensions: 2 11/16" Diam x 4 7/16" H Finish: powder coat black Optics: Accessories: mounting stem Listings: ETL, wet/damp	Hevilite HL-915	(Integral) Nominal lumens: 300 lm CCT: 3000K CRI: 80+	7.1W	MLV		Landscape	
LN1	LED exterior wall grazer with: Dimensions: 1.6" W x 2" H x length as shown in plan Listings: ETL, wet	Ecosense Trov	(Integral) Nominal lumens: 807 lm/ft CCT: 3000K CRI: 90+	12W	ELV		Parking façade	

1950 Grand							Initial Issue:	October 30, 2020
El Segundo, CA, USA							Latest Issue:	
Type	**Description**	**Luminaire Specification**	**Lamp Specification**	**Input Watts**	**Dimming Load Type**	**Luminaire Notes**	**Location**	**Rev No.**
LN2	LED RGBW linear luminaire with: Dimensions: 1 13/16" W x 2 1/16" H x length as shown in plan Listings: UL, IP66	Lumenpulse Nano	(Integral) Nominal lumens: 217 lm/ft CCT: RGBW CRI: 80	4W/ft	DMX		Balconies	
LN3	LED exterior wall grazer with: Dimensions: 2 5/16" W x 3.5" H x length as shown in plan Listings: UL, IP66, wet	Lumenpulse Nano	(Integral) Nominal lumens: 898 lm/ft CCT: 3000K CRI: 80	5W/ft	0-10V		Entry façade	
LN4	LED recessed linear luminaire with: Dimensions: 2 3/8" W x 3.75" H x length as shown in plan Finish: TBD by architect Listings: ETL, dry/damp	Lumenwerx Via 2 LED	(Integral) Nominal lumens: 350 lm/ft CCT: 3000K CRI: 90	3.4W/ft	0-10V		Office building ground level soffit	
LP1	LED suspended pendant with: Dimensions: 22.44" Diam x 12" H Mounting height: TBD by architect Finish: TBD by architect Optics: Accessories: Listings: UL, wet	Marset Soho	(Integral) Nominal lumens: 2086 lm CCT: 3000K CRI: 80	36W	0-10V		Outdoor trellis	
LS1	LED surface-mounted striplight with: Dimensions: 0.69" W x 0.49" H x length as shown in plan Finish: TBD by architect Accessories: Listings: UL, wet	Luminii Kendo M Wet	(Integral) Nominal lumens: 60 lm/ft CCT: 3000K CRI: 91	1.6W/ft	0-10V		Exterior coves, parking garage stair guardrail	
LS2	LED surface-mounted striplight with: Dimensions: 0.60" W x 0.60" H x length as shown in plan Finish: TBD by architect Accessories: Listings: UL, wet	Luminii Bosca	(Integral) Nominal lumens: 250 lm/ft CCT: 3000K CRI: 90+	5.2W/ft	0-10V		Parking garage, roof deck, circulation	
LS3	LED surface-mounted striplight with: Dimensions: 0.55" W x length as shown on plan Accessories: KMC-F mounting channel Listings: UL, wet	Luminii LineLED LL Series Wet Tube	(Integral) Nominal lumens: 190 lm/ft CCT: 3000K CRI: 80+	3W/ft	0-10V		Landscape walls coves	

1950 Grand						Initial Issue:	October 30, 2020
El Segundo, CA, USA						Latest Issue:	
Type	**Description**	**Luminaire Specification**	**Lamp Specification**	**Input Watts**	**Dimming Load Type**	**Luminaire Notes**	**Location**	**Rev No.**
LW1	LED wall-mounted linear sconce with: Dimensions: 24.25" H 1.75" W x 2.75" D Mounting height: TBD by architect Finish: TBD by architect Listings: UL, wet	Sonneman Sword Wall Light	(Integral) Nominal lumens: 1190 lm CCT: 3000K CRI: 90	13W	ELV		Podium façade	
LW2	LED wall-recessed steplight with: Dimensions: 5 7/8" W x 5 7/8" H x 4 1/8" D Finish: black Listings: UL, wet	BEGA 22 272	(Integral) Nominal lumens: 168 lm CCT: 3000K CRI: 90	3.9W			Balcony	
LX1	Surface-mounted LED gobo projector with: Dimensions: 2.5" Diam x 5.9" H Finish: brass Accessories: Listings: IP66	Beachside Lighting L-011-P	(Integral) Nominal lumens: 409 lm CCT: 3000K CRI: 80+	8W	ELV		Feature seating areas	
LX2	LED handrail light with: Dimensions: 1.02" Diam x 1.18" H Accessories: Listings: ETL, UL, wet	KLIK USA LEDpod 40	(Integral) Nominal lumens: 145 lm/pod CCT: 3000K CRI: 80+	2W/pod	0-10V		Stair and handrail	

End of Lighting Fixture Schedule

landscapeforms

Motive Area Light

Specification Sheet

Project Name: _____ Job Location: _____

Fixture Type: _____ Fixture Quantity: _____

Source	LED
Input Voltage	100V-277V
Frequency	50/60Hz
EPA	0.69 ft^2
Weight	27 lbs

Motive is finished with Pangard II®, offered exclusively by Landscape Forms, is a 19 step program of cleaning, priming, and powdercoating that resists rusting, chipping, peeling and fading to produce the finest metal finish available for site furniture and outdoor lighting. In addition, Pangard II® contains no heavy metals and is free of Hazardous Air Pollutants.

Motive Area Light						
_____	**Product**	AJ500 (Motive Area Light)				
_____	**Distribution & Drive Current** *	T4-40F (Type IV, 400mA)	T4-60F (Type IV, 600mA)	T5-80F (Type V, 800mA)	T5-120F (Type V, 1200mA)	LB-80F (Lambertian, 800mA)
_____	**Color Temperature** **	27K (2700K)	30K (3000K)	35K (3500K)	40K (4000K)	
_____	**Input Voltage**	UV1 (100V-277V, 50/60 Hz)				
_____	**Connection**	P2 (Tenon Mount)				
_____	**Twist Lock**	NTW (No Twist Lock)	TW1 (7-pin Twist Lock)			
_____	**Powdercoat Color** ***					

Example: AJ500 – T4 – 40F – 27K – UV1 – P2 – TW1 – Powdercoat Color ***

* Type 4 and type 5 available with a diffused lens only; lambertian available with a clear lens only
** For Dark Sky certification, 3000k or warmer must be selected.
*** Click here to view the powdercoat color options.

Motive Aluminum Pole					
Lens Height	***Pole #***	***Mounting***	***Diameter***	***Wall***	***Weight***
10 ft (120 in)	AJ550-10-01	(1) Single 2 3/8" dia x 4" Tenon	Tapered 4"/3"	0.125"	40 lbs
12 ft (144 in)	AJ550-12-01	(1) Single 2 3/8" dia x 4" Tenon	Tapered 4"/3"	0.125"	45 lbs

Modifications

Don't see what you are looking for? Our goal is to partner with you as the designer to manufacture solutions needed for the space you are creating. We offer the option to modify our standard product to meet certain design specifications or needs. Common modifications can include GCFI outlets, custom RAL colors, banner arm(s) mounting, and custom pole heights. Contact your local Landscape Forms representative to learn more about these offerings.

Notes

_____

_____

_____

_____

Please send completed forms to your Landscape Forms representative or contact us at (800) 430-6209 with any questions.

Landscape Forms, Inc. | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Motive Area Light

landscapeforms®

Product Data Sheet | AJ500

Motive is a sophisticated family of lights that blurs the line between indoor and outdoor lighting to create out-of-the-ordinary settings. Designed by Justin Champaign, Motive celebrates the beauty of illumination and its interaction with architecture, objects, and space. The luminaires' neutral sculptural form address an array of applications for buildings and grounds, pathways, social spaces, and high-profile areas such as art installations and entrances.

General Description

- Offered in 2 standard heights (10', 12')
- Available with a tapered pole
- Features a hidden indirect light source
- Optional 7-pin twist lock receptacle
- Mounting template and anchor hardware included
- Cast aluminum luminaire ships prewired and fully assembled
- Luminaire mounts standard to a 2 3/8" dia x 3" tenon
- UL Listed, suitable for wet locations
- International Dark-Sky approved

Electrical

Surge protected 100V-277V 50/60 Hz, 0-10V dimmable class 2 driver. Sealed IP66 cartridge provides ease of installation and serviceability. Motive area light ships prewired.

Housing

Round luminaire housing is cast aluminum. Frameless acrylic lens seals to the housing. Luminaire mounts to a tenon on the pole and is secured with three socket head screws. Top cover is secured by three screw on top of the luminaire. All hardware is magni-coated.

Motive Area Light

Light Source: Nichia LEDs
Color Temperature: 2700K, 3000K, 3500K, 4000K
CRI: 80 min
Optics: Matte White or Semi-Specular Aluminum Reflector
Lens: Clear or Frosted Acrylic

Distributions

Lambertian TIV TV

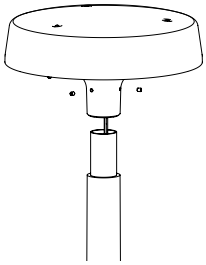
Motive Area Light

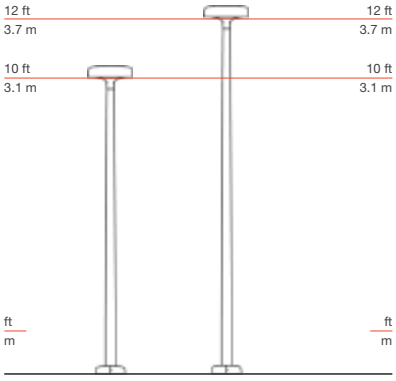
landscapeforms®

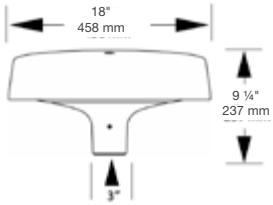
Product Data Sheet | AJ500

Pole Description

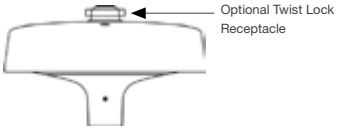
Round pole is tapered 4" to 3" and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.125". Flush mounted hand hole cover includes two magni-coated fasteners. Two piece base cover is cast aluminum. Pole is topped with standard dimension 2-3/8" dia x 4" tenon.







Weight: 27 lbs
EPA: 0.69ft²



October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

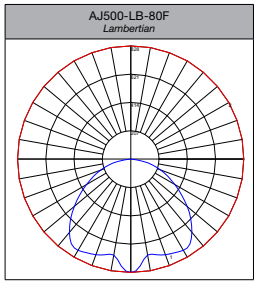
Luminaire Type
LB1

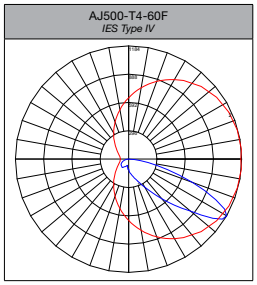
Motive Area Light

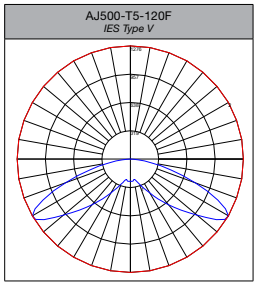
landscapeforms

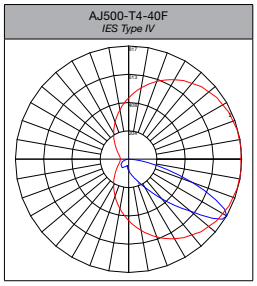
Product Data Sheet | AJ500

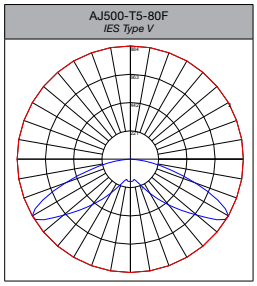
Model	Distribution Type	Drive Current	Lumens	Watts	Efficacy	BUG Rating
AJ500-T4-40F	Type IV	400mA	1362	16.0	85	B1-U0-G1
AJ500-T4-60F	Type IV	600mA	1973	24.1	82	B1-U0-G1
AJ500-T5-80F	Type V	800mA	2761	31.7	87	B2-U0-G1
AJ500-T5-120F	Type V	1200mA	3987	47.9	83	B2-U0-G1
AJ500-LB-80F	Lambertian	800mA	2487	31.7	78	B1-U0-G1











MINI LOOK
BOLLARD WOOD

SPECIFICATION SHEET

Project name:

Type:

Ground mounted bollard suitable for walkways and paths, being a valid alternative to a wall mounted illumination.

Luminaire characteristics:
Power input: 12.5W
Lumens: 334 lm (delivered for 3000K)
Luminaire efficacy: 27 lm/W (for 3000K)

Source: White LED, LM80 tested.
3000K: 90CRI
4000K: 90CRI
Lumen maintenance: >70% of initial lumens at 50 000 hours (L70),(LM-79 tested).

Optics: Accent light.

Material:
Body: Die-cast aluminum and oiled teak wood.
Diffuser: Tempered glass.

Electrical: Universal high efficiency electronic power supply, rated at 50 000 hours, 120-277V.

Mounting: Install with flange accessory or fasten to ground.

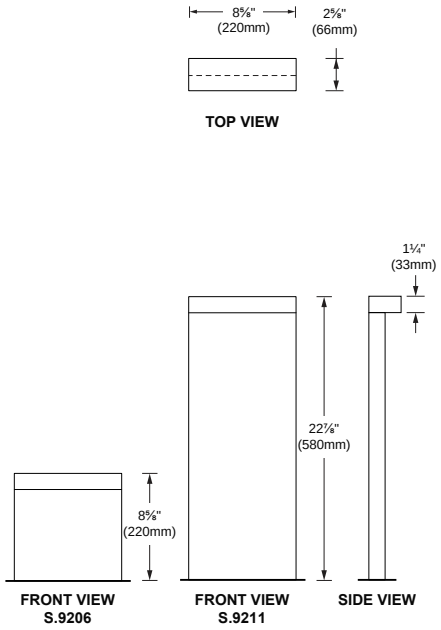
Finish: White or burnished bronze

Weight:
S.9206: 4.4lbs (2kg)
S.9211: 9.9lbs (4.5kg).

Warranty: 5 year limited warranty.

Certification: cULus listed for wet location.

Ratings: IP65, IK06



DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE.

LAST UPDATE: NOVEMBER 06, 2017 MH - R3

SISTEMALUX

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.sistemalux.com

MINI LOOK
BOLLARD WOOD

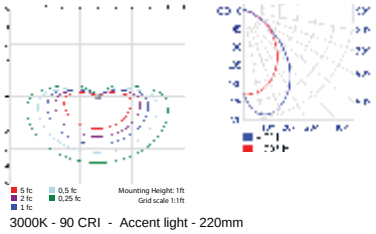
SPECIFICATION SHEET

Project name:

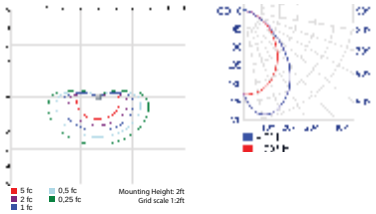
Type:

TECHNICAL DATA

LOAD (W)	CCT (K)	CRI	OPTIC	DELIVERED LUMENS (lm)	LUMINAIRE EFFICACY (lm / w)	CENTER BEAM CANDLE POWER (cd)	MODEL
13W	3000K	90	Accent light	335	26	263	S.L9206W - 220mm
				335	26	263	S.L9211W - 580mm



3000K - 90 CRI - Accent light - 220mm



3000K - 90 CRI - Accent light - 580mm

ACCESSORY (TO BE ORDERED SEPARATELY)

◯ **S.7249 -** Flange with stainless steel screws
8½" x 9¼" (217mm x 235mm)

RESET

ORDERING INFO

- **UNV** -
MODEL | VOLTAGE | FINISH

MODEL
- ◯ **S.L9206W -** 3000K, 220mm
- ◯ **S.L9206N -** 4000K, 220mm
- ◯ **S.L9211W -** 3000K, 580mm
- ◯ **S.L9211N -** 4000K, 580mm

VOLTAGE
- ● **UNV -** 120-277V

FINISH
- ◯ **01 -** White
- ◯ **20 -** Burnished bronze

DUE TO CONTINUOUS IMPROVEMENTS, THE INFORMATION HEREIN MAY BE CHANGED WITHOUT NOTICE. LAST UPDATE: NOVEMBER 06, 2017 MH - R3

SISTEMALUX

9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7
P.: 514.523.1339 F.: 514.525.6107 www.sistemalux.com

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RAMA AREA LIGHT

Product Data Sheet

Designed by Gonzalo Mila, Rama offers a minimalist design, universal aesthetic, and broad versatility. Directional lighting reduces light pollution and puts light where it is needed, and energy-efficient, warm white LEDs with a clear or frosted lens provide excellent performance and a great visual experience. Single or multiple luminaires that can be mounted in different positions on three standard pole heights make Rama suitable for any outdoor space. A simple clamping mechanism allows Rama luminaires to be retrofitted to existing 5" poles. With multiple distribution types and drive currents, Rama provides appropriate light levels for a variety of outdoor spaces and lighting requirements.

General Description

- Single, double, or spiral configurations
- Offered in 3 standard pole heights (4.5m, 6m, 8m)
- Optional ANSI136.41 7-pin twist lock receptacle
- Available in 24 and 48 LED configurations
- Multiple drive currents and distribution types
- Mounting template and anchor hardware included
- Zero up-light, International Dark-Sky approved
- UL Listed, suitable for wet locations

Electrical

120V-277V 50/60 Hz, Class 2 integrated dimmable driver. 1-10V dimming interface is standard, DALI compatible dimming interface available upon request. Rama ships prewired and fully assembled.

Rama R4

Type 2, Type 3, Type 4
Housing: Aluminum extrusion
Lamp: 24 Cree XPG2 LEDs
CCT: 3000K, 4000K
Drive Current: 350mA or 500mA
Lens: Clear / Frosted Glass
Power Supply: 120V-277V
Dimmable: 1-10V or DALI
Protection Rating: IP66

Rama R8

Type 2, Type 3, Type 4
Housing: Aluminum extrusion
Lamp: 48 Cree XPG2 LEDs
CCT: 3000K, 4000K
Drive Current: 350mA or 500mA
Lens: Clear / Frosted Glass
Power Supply: 120V-277V
Dimmable: 1-10V or DALI
Protection Rating: IP66

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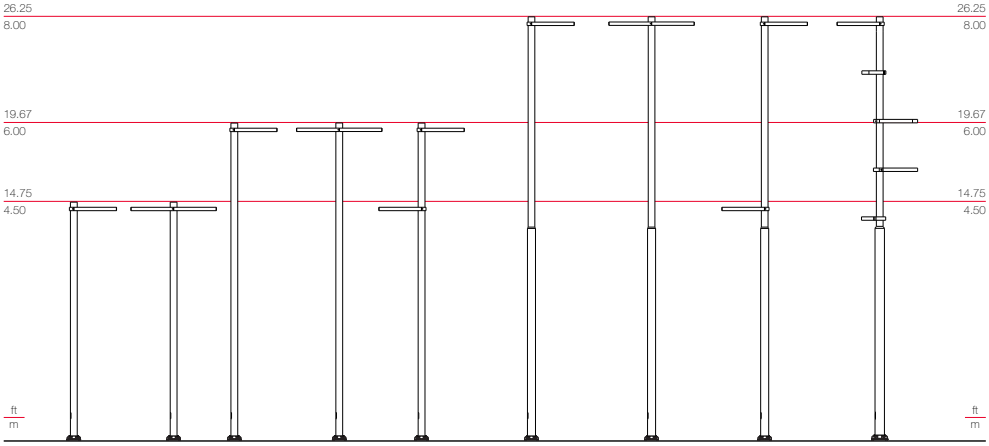
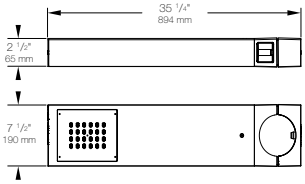
RAMA AREA LIGHT

Product Data Sheet

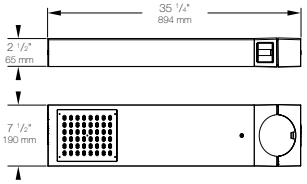


Rama R4



Weight: 20 lbs
EPA: 1.06 ft²

Rama R8



Weight: 20 lbs
EPA: 1.06 ft²

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October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LB3

landscapeforms

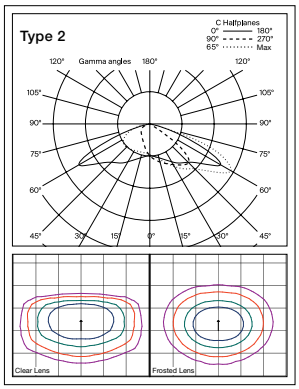
RAMA AREA LIGHT

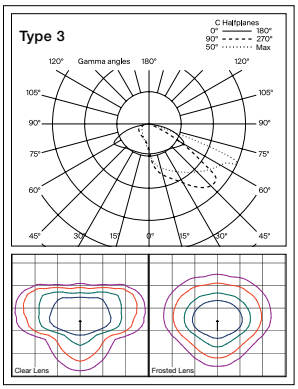
Product Data Sheet

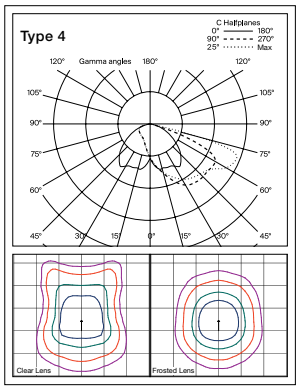
Performance Data

Model	LED Quantity	Drive Current	System Watts	Distribution Type	3000K 80 CRI			4000K 70 CRI		
					Lumens*	Efficacy*	BUG	Lumens*	Efficacy*	BUG
Rama R4	24	350	28	Type 2	2778	99	B1-U0-G1	3054	109	B1-U0-G1
				Type 3	3221	115	B1-U0-G1	3541	127	B1-U0-G1
				Type 4	3003	107	B1-U0-G1	3302	117	B1-U0-G1
		500	40	Type 2	3928	98	B1-U0-G1	4318	108	B1-U0-G1
				Type 3	4553	114	B1-U0-G1	5006	125	B1-U0-G1
				Type 4	4246	106	B1-U0-G1	4669	116	B1-U0-G1
Rama R8	48	350	53	Type 2	5332	100	B1-U0-G1	6246	118	B2-U0-G2
				Type 3	6180	117	B1-U0-G1	7241	137	B1-U0-G1
				Type 4	5763	108	B1-U0-G1	6752	127	B2-U0-G1
		500	75	Type 2	7292	97	B2-U0-G2	8557	114	B2-U0-G2
				Type 3	8454	113	B1-U0-G1	9919	132	B1-U0-G2
				Type 4	7883	105	B2-U0-G2	9250	123	B2-U0-G2

*Apply 0.85 multipler for frosted lens option.







Isofootcandle plots for the Rama R4, 500mA, 4000K. Grid spacing equals units of mounting height (6m / 20ft).

1.0fc 0.5fc 0.2fc 0.1fc

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RAMA AREA LIGHT

Product Data Sheet

To Order Rama

Specify: Product, Lamp, Lens, Drive Current, Color Temperature, Input Voltage, Mounting Option and Finish.

Product	Lamp	Lens	Drive Current*	Color Temp.	Input Voltage	Mounting	Finish
RM Rama	024L2 (R4, 24 LED, Type 2) 048L2 (R8, 48 LED, Type 2) 024L3 (R4, 24 LED, Type 3) 048L3 (R8, 48 LED, Type 3) 024L4 (R4, 24 LED, Type 4) 048L4 (R8, 48 LED, Type 4)	CLR (Clear Glass) FRS (Frosted Glass)	035C (350mA) 05C (500mA)	30K (3000K) 40K (4000K)	UV1 (120-277VAC)	5A (w/ clamp - single mount) 5B (w/o clamp - double mount)	AL (Aluminum Silver)

EXAMPLE: RM – 048L2 – CLR – 035C – 30K – UV1 – 5A – AL

*Driver has an optional Constant Light Output (CLO) setting, which compensates for lumen depreciation by adjusting the power given to the LEDs, allowing light output to remain constant throughout the lifespan of the luminaire. Contact factory for additional details.

To Order Aluminum Rama Pole

Specify: Rama pole with optional 7-pin (ANSI 136.41) Twist Lock Receptacle and Powdercoat Color.

Height	Pole	Luminaire Configuration	Diameter	Wall Thick	Twist Lock
4.5 meters	RM60219-01	(1) or (2) Rama luminaires at top	5"	.125"	No
	RM60219-02	(1) or (2) Rama luminaires at top	5"	.125"	Yes
6 meters	RM60220-01	(1) or (2) Rama luminaires at top	5"	.188"	No
	RM60220-02	(1) or (2) Rama luminaires at top	5"	.188"	Yes
	RM60220-03	(2) Rama luminaires at different heights	5"	.188"	No
	RM60220-04	(2) Rama luminaires at different heights	5"	.188"	Yes
8 meters	RM60221-01	(1) or (2) Rama luminaires at top	5" / 6"	.188"	No
	RM60221-02	(1) or (2) Rama luminaires at top	5" / 6"	.188"	Yes
	RM60221-03	(2) Rama luminaires at different heights	5" / 6"	.188"	No
	RM60221-04	(2) Rama luminaires at different heights	5" / 6"	.188"	Yes
	RM60226-01	(5) Rama luminaires in spiral configuration	5" / 7"	.188"	No
	RM60226-02	(5) Rama luminaires in spiral configuration	5" / 7"	.188"	Yes

EXAMPLE: RM60220-01 – Powdercoat Color

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D-Series Size 1
LED Area Luminaire

Catalog Number

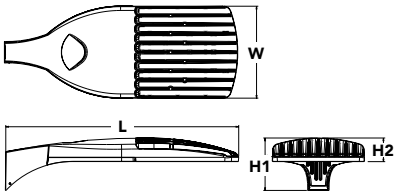
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series

DSX1 LED

LEDs

Forward optics

P1 P4[1] P7[1]
P2 P5[1] P8
P3 P6[1] P9[1]

Rotated optics

P10[2] P12[2]
P11[2] P13[1,2]

Color temperature

30K	3000 K
40K	4000 K
50K	5000 K

Distribution

T1S	Type I short (Automotive)
T2S	Type II short
T2M	Type II medium
T3S	Type III short
T3M	Type III medium
T4M	Type IV medium
TFTM	Forward throw medium
T5VS	Type V very short[3]
T5S	Type V short[3]
T5M	Type V medium[3]
T5W	Type V wide[3]
BLC	Backlight control[4]
LCCO	Left corner cutoff[4]
RCCO	Right corner cutoff[4]

Voltage

MVOLT[5]
120[6]
208[6]
240[6]
277[6]
347[6]
480[6]

Mounting

Shipped included

SPA	Square pole mounting
RPA	Round pole mounting[7]
WBA	Wall bracket[3]
SPUMBA	Square pole universal mounting adaptor[8]
RPUMBA	Round pole universal mounting adaptor[8]

Shipped separately

KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish)[9]

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled[10]
PIRHN	Network, high/low motion/ambient sensor[11]
PER	NEMA twist-lock receptacle only (controls ordered separate)[12]
PER5	Five-pin receptacle only (controls ordered separate)[12,13]
PER7	Seven-pin receptacle only (controls ordered separate)[12,13]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[14]
DS	Dual switching[15,16,17]
PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[17,18]
PIRH	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[17,18]
PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[17,18]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[17,18]
FAO	Field adjustable output[17,19]

Other options

Shipped installed

HS	House-side shield[20]
SF	Single fuse (120, 277, 347V)[6]
DF	Double fuse (208, 240, 480V)[6]
L90	Left rotated optics[2]
R90	Right rotated optics[2]
HA	50°C ambient operations[1]

Shipped separately

BS	Bird spikes[21]
EGS	External glare shield

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LB4

Ordering Information

Accessories

Ordered and shipped separately.

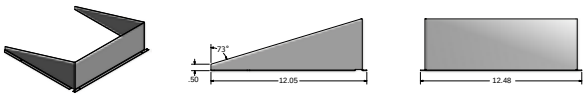
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [22]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [22]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [22]
DSHORT SBK U	Shorting cap [22]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [20]
DSX1HS 40C U	House-side shield for P6 and P7 [20]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [20]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [21]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [9]
DSX1EGS (FINISH) U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
7 Suitable for mounting to round poles between 3.5" and 12" diameter.
8 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
9 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
10 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
11 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
12 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
13 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
14 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
15 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
16 Requires (2) separately switched circuits with isolated neutrol.
17 Reference Controls Option Default settings table on page 4.
18 Reference Motion Sensor table on page 4 to see functionality.
19 Not available with other dimming controls options
20 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 Must be ordered with fixture for factory pre-drilling.
22 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
23 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8

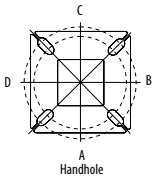
Options

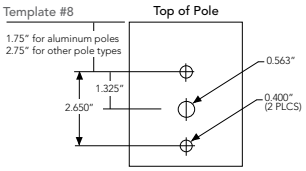
EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

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TARGETTI

ZEDGE PRO BOLLARD

Professional LED Bollard

Concept: Professional high-performance LED bollard with an innovative optical system designed to be a true pathway luminaire. Fixture can be used in both indoor and outdoor applications.
Materials: Powder coated anodized die-cast aluminum body and optical head. Consult factory for marine grade cataphoresis painting treatment to be used from ocean shoreline to 1/2 mile inland. Fixtures located in marine environments are not to be in direct contact with salt for extended periods of time or used with corrosive agents.
Source: Two high efficiency LED Chip on Board.
Optics: The internal optical system is composed of 2 metallized polycarbonate reflectors coupled to two high reflective anodized aluminum reflectors and holographic filters. Louver screen in silk-screen printed extra-clear glass. Available in three different versions: DEEP – deep beam, WIDE – wide beam, ADJUSTABLE – that allows to change from one beam to the other in a uniform way by adjusting the 2 optical systems.
Mounting: Available with three different poles heights - 16in, 32in, 40in. 316L grade stainless steel base and stainless steel anti-theft screws. Optional Ground anchor fixing rods for installation in concrete, sold seperately.
Driver: Integrated 4/1 driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase). Optional integral IOTA emergency battery pack or emergency lighting battery pack. Battery will operate fixture at 100% of full output for 90 minutes. Ambitent temperature must not go below 0°C and must not exceed 50°C.
Finish: Textured Standard Finishes – Ferrite Grey / Heritage Brown / Bronze RAL 8019 / Plaster White / Deep Black / Sandstone Grey
Wattage: 15W
Color Temperature: 2700°K / 3000°K / 3500°K / 4000°K
CRI: Ra84 (2700K, 3000K, 4000K) / Ra90 (3500K)

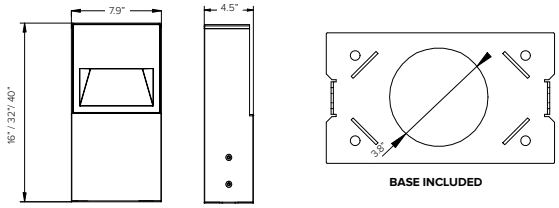
Delivered Lumens:	**2700°K**	**3000°K**	**3500°K**	**4000°K**
Wide Optic	448Lm	470Lm	470Lm	482Lm
Deep Optic	694Lm	728Lm	731Lm	747Lm

Lumen Maintenance (L70): 50,000hrs
Calculation for LED fixtures are based on measurements that comply with IES LM-80.
Voltage: Universal Voltage 120-277V AC 50/60Hz
BUG: B0-U1-G0; (DP Optic) Uplight Distribution: 0.3% / (WD Optic) Uplight Distribution: 0.1%
IK Rating: IK10
IP Rating: IP66
Certifications: cULus Wet Listed
Tested in accordance with LM-79-08
[A] Consult factory for marine grade cataphoresis treatment.
Energy efficient for California installations.
Warranty: 5 year limited warranty

Shown in Ferrite Grey Finish

PRODUCT CODE	DRIVER	HEIGHT	DISTRIBUTION	WATTAGE	COLOR TEMP	FINISH	OPTIONAL
ZPB — ZEDGE PRO BOLLARD	**41** — Integrated 4/1 driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase)	**16** — 16"	**DP** – Deep	**L3** — 15W	**27** — 2700K	**FE** – Ferrite Grey	**___** — Blank for no option
		32 — 32"	**WD** – Wide		**30** — 3000K	**HB** — Heritage Brown	**EM**[1] — Integral Emergency IOTA Battery Pack
		40 — 40"	**AD** – Adjustable		**35** — 3500K	**BZ** — Bronze RAL8019	**MS**[1] — Photo Cell & PIR Motion Sensor
					40 — 4000K	**WT** — Plaster White	**[1]Not compatable with 16in version.**
						BT — Deep Black	
						SG — Sandstone Grey	

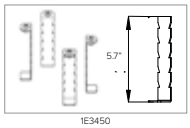
Views



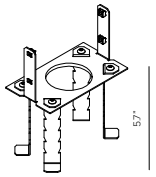
TARGETTI

ZEDGE PRO BOLLARD

MOUNTING (OPTIONAL)	
1E3450	Mounting system. Ground anchor fixing rods for installation in concrete. AISI 316 stainless steel.



1E3450



INSTALLATION ACCESSORIES:	
1US2530	Direct burial brass ingrade j-box. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adaptors and (2) 1/2" NPT plugs. PVC sleeve included, 6"H. **(REQUIRED by NEC)**

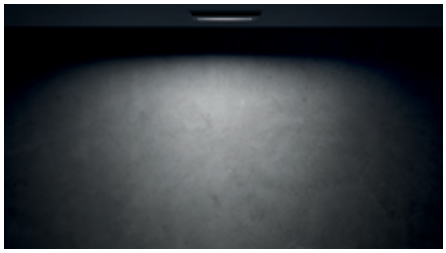
1US2530

Optical Information

ZEDGE Pro has a unique optical system composed of two independent beams that can configured in different ways to create multiple effects. A DEEP version for deep lighting, a WIDE version for greater uniformity of the light in a longitudinal direction and an ADJUSTABLE version where the optical system is positioned on a special bezel that makes it possible to achieve the two most extreme configurations Deep and Wide, as well as all the points in between depending on different needs.

Every beam is produced by a mini flood optic equipped with a special reflective screen that focuses it and conveys it to a refractive holographic filter positioned horizontally. This intuitive design ensures zero candle emission above zero degrees. The filter ovalizes the beam enhancing the effect in depth or in a longitudinal direction, depending on the position of the optic.

ADJUSTABLE
An innovative solution that makes it possible to obtain different lighting effects with one fixture. Calibrating the beam depending on lighting needs it is possible to obtain an infinite number of lighting effects with just one fixture. Using a watertight Allen key the optical system can be rotated passing from a DEEP to a WIDE effect in a fluid way choosing between a myriad of positions in between to select the one most suitable to meet the project needs.



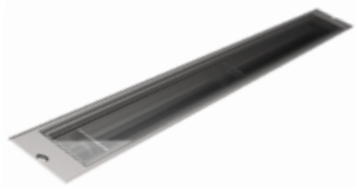
DEEP
For deep lighting of horizontal surfaces where the priority is to light open spaces or wide pathways.

WIDE
For lighting where illuminance uniformity is essential, for example on long private or public walkways with wide spaces between fixtures.

TARGETTI

JEDI COMPACT RECESSED IP67 INTEGRAL

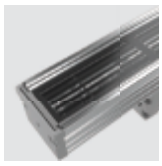
Recessed Linear LED with Integral Driver



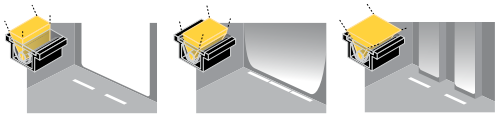
Concept: Powerful recessed linear LED with integral driver.
Materials: Extruded anodized aluminum 15µ body. 5mm thick extra-clear flat glass.
Optic: Internal optical system composed of a primary cylindrical glass lens, a high reflectance anodized aluminum reflector and an integrated holographic filter. Available in three versions: Flood, Grazing and Wall Washer.
Source: High Power High Efficiency LED board.
Mounting: Installation sleeve required for recessed flush mounting (sold separately). Fixture includes screw down holes and stainless steel screws for attachment to installation sleeve.
Driver: Integral 0-10V dimable electronic driver.
Installation: To be completed with recessed installation sleeve, see page 2. Pre-wired from driver enclosure, 10ft direct burial cable with seperate 0-10V dimming cable. Lead and Solo configurations provided with 10ft lead cable. See page 3 for inline connection configurations.
Wattage: 28W / 40W / 53W
Color Temperature: 2700K / 3000K / 3500K / 4000K
CRI: Ra84, Ra90 available upon request

Without Louver	**24.60" (28W)**	**35.63" (40W)**	**46.65" (53W)**
Wall Washer 59° x 115° =	2428 - 2706Lm	3643 - 4061Lm	4858 - 5414Lm
Wall Grazer 15° x 76° =	2684 - 2991Lm	4026 - 4488Lm	5385 - 5983Lm
Flood 32° x 85° =	2413 - 2690Lm	3620 - 4035Lm	4827 - 5380Lm
With Louver	**24.60" (28W)**	**35.63" (40W)**	**46.65" (53W)**
Wall Washer 59° x 115° =	1831 - 2041Lm	2747 - 3062Lm	3663 - 4082Lm
Wall Grazer 15° x 76° =	1712 - 1908Lm	2568 - 2862Lm	3424 - 3816Lm
Flood 32° x 85° =	1412 - 1573Lm	2117 - 2360Lm	2823 - 3146Lm

Refer to pages 4-9 for complete fixture data information.
Lumen Maintenance (L70): 50,000hrs
Calculation for LED fixtures are based on measurements that comply with IES LM-80.
Voltage: Universal Voltage 120-277V AC 50/60Hz
IK Rating: IK08
IP Rating: IP67
Load Rating: Resistant to static loads up to 4,000 lbs.
Certifications: cULus listed Wet Location Listed
Tested in accordance with LM-79-08
Warranty: 5 year limited warranty



Integrated Louver Option
Integrated anti-glare louver option pre-installed inside the fixture.

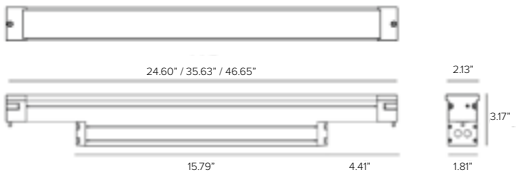


Wall Wash | Wall Grazer | Flood

PRODUCT CODE	TYPE	DRIVER	OPTICS	LENGTH	COLOR TEMP	CABLE[1]	LOUVER OPTION	+	MOUNTING
JCO — JEDI Compact Outdoor IP67	**R** — Recessed	**10** — 0-10V	**WW** — Wall Wash 59°x115°	**24** — 24.60"	**27** — 2700K	**L** — Lead	**LV** – Integrated Louver Option		Required (See Pg 2)
			WG — Wall Grazer 15°x76°	**35** — 35.63"	**30** — 3000K	**C** — Center			
			FL — Flood 32°x85°	**46** — 46.65"	**35** — 3500K	**E** — End			
					40 — 4000K	**S** — Solo			

[1] **See Page 3 for inline cable configurations**

Views



October 30, 2020

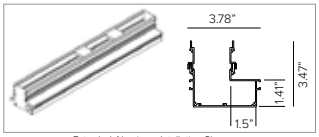
Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LG1

TARGETTI

JEDI COMPACT RECESSED IP67 INTEGRAL

INSTALLATION (REQUIRED) – CHOOSE ONE		
1E3733	24.69"L	Extruded aluminum low profile installation sleeve for Jedi Compact Integral Driver feed through wiring.
1E3734	35.71"L	
1E3735	46.73"L	



Extruded Aluminum Intallation Sleeve

TARGETTI

KEPLERO MINI GIMBAL Performance Precision Optic

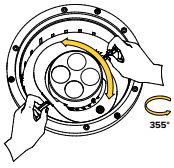
Professional Inground LED Fixture

Concept: 4 LED projector incorporating maximum precision and control for specific aimed illumination of objects.
Housing: 8" tall x 6.625" diameter die-cast aluminum housing.
Materials: Anodized and powder coated black die-cast aluminum heat sink body. PVC installation sleeve and stainless steel (AISI316L) trim ring with extra clear glass. Body completed with marine grade cataphoresis painting treatment. Fixtures located in marine environments are not to be in direct contact with salt for extended periods of time or used with corrosive agents. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits.
Trim: Stainless steel (AISI316L) trim available in ultra flat round or square decorative rings, with beveled edge in brushed natural, bronze or black finishes. Features tamper-proof Torx screws.
Optic: 4 LED gimbal optical system with two different beam spreads; Narrow Spot 11° and Flood 31°. Light beam can be tilted +/-20° on the vertical plane and rotated 355° on the horizontal plane with integral locking system.
Mounting: Flush and semi-flush installation sleeves or optional raised installation tube for landscape. Fixture includes screw down holes and stainless steel screws for attachment to installation sleeve. Includes optional stainless steel L brackets for support mounting. installation sleeve (required) for flush or semi-flush mounting.
Driver: Integrated 4/1 driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase).
Installation: Fixture flush mount installation includes 8" tall x 6.625" diameter sleeve, extension pipe for wire slack and accessibility. Pre-cabled with 6ft IP68 connector cable, direct burial brass ingrade jbox (required, sold separately).
Wattage: 11W
Color Temperature: 3000K / 4000K
CRI: Ra84
Lumen Maintenance (L70): 50,000hrs
Calculation for LED fixtures are based on measurements that comply with IES LM-80.
Voltage: Universal Voltage 120-277V AC 50/60Hz
IK Rating: IK10
IP Rating: IP67*, IP68 Tested**
Load Rating: Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.
Certifications: cULus Wet Listed E477426
Tested in accordance with LM-79-08
Energy efficient for California installations.
Warranty: 5 year limited warranty
* Up to 1 METER DEPTH of water for up to a maximum of 30 MINUTES
** Not suitable for submersible installations

KEPLERO® MINI GIMBAL with Clear Lens

Marine · Drive Over · IP68 Tested · IP67 · Cool Touch · c UL us

QUICK SHIP
1 - 2 weeks

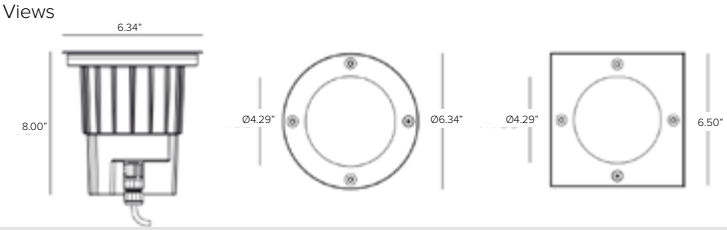


Delivered Lumens:	3000K	4000K
Spot 11°	= 592Lm	628Lm
Flood 31°	= 568Lm	603Lm

PRODUCT CODE	DRIVER	TYPE	OPTICS	WATTAGE	COLOR TEMP	+	TRIM & INSTALLATION
KPLM – KEPLERO Mini	**41** — 4/1 Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	**GMB** — Gimbal	**SP** — Spot 11° **FL** — Flood 31°	**L1** — 11W	**30** — 3000K **40** — 4000K		Required (See Pg 2)

QUICK SHIP 1 - 2 weeks **KPLM41GMBSPL130–QS + 1E2525–QS + 1DU2521–QS + 1DU2530–QS**
Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantites of over 20 fixtures to confirm lead time.

Views



October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LG2

TARGETTI

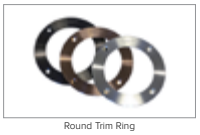
KEPLERO MINI GIMBAL

TRIM RING (REQUIRED) - CHOOSE 1			
Round Trim Ring (Available in Brushed Natural, Bronze, and Black PVD finishes)			
			Description
1E2525	**1DU2525B**	**1DU2525K**	Round stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.
1DU2525A	**1DU2525BA**	**1DU2525KA**	Round stainless steel (AISI316L) decorative ring with anti-slip glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.
1DU2525E	**1DU2525BE**	**1DU2525KE**	Round stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.
Square Trim Ring (Available in Brushed Natural Stainless Steel finish) [1]			
	Description		
1E2526	Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.		
1DU2526A	Square stainless steel (AISI316L) decorative ring with anti-slip glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.		
1DU2526E	Square stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.		

[1]Square trim available in Bronze and Black finish upon request. Consult factory.

INSTALLATION SLEEVE (REQUIRED) - CHOOSE 1	
1DU2521	Installation sleeve for concrete pour applications. Grey Nylon 8" casing with 10" PVC installation outer pipe. Round ring for flush or semi-flush installations.
1DU2522	Installation sleeve for concrete pour applications. Grey Nylon 8" casing and stainless steel profile with 10" PVC installation outer pipe. Square ring for flush installation only. **For use with square trim options only.**
1DU4344	Raised installation sleeve for landscape applications. 36"H stainless steel painted deep black finish, includes 8" inner sleeve. **To be used with round trim options.** (Field cuttable. Used for fixture elevation 21" above ground). **Not suitable with 1DU2521 and 1DU2522.**
1DU434418	Raised installation sleeve for ground cover (succulents and low level planting) applications. 18"H stainless steel painted deep black finish, includes 8" inner sleeve. **To be used with round trim options.** (Field cuttable. Used for fixture elevation 7" above ground). **Not suitable with 1DU2521 and 1DU2522.**
1DU434412	At grade or raised installation sleeve for turf or ground cover applications. 12"H stainless steel painted deep black finish, includes 8" inner sleeve. **To be used with round trim options.** (Field cuttable. Used for fixture elevations at grade to 3" above grade). **Not suitable with 1DU2521 and 1DU2522.**

INSTALLATION ACCESSORIES:	
1DU2530	Direct burial brass ingrade j-box. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adaptors and (2) 1/2" NPT plugs. **(REQUIRED)**
1E2495	Anti-vandal torx head. Suggested one per 5 fixture.
1E2524	Fixture metal maintenance removal handle. Helpful one per 10 fixtures.
1E0388	Glass suction removal tool. Helpful one per 20 fixtures.


Round Trim Ring

Square Trim Ring

1DU2521 1DU2522

1E2495

1DU2530

1E2524

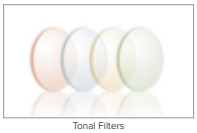
1E0388

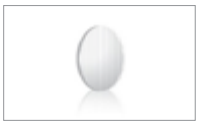
TARGETTI

KEPLERO MINI GIMBAL

OPTICAL ACCESSORIES:	
Maximum of one optical filter or louver accessory per fixture.	
1T1712	Chromatic filter Red. Glass made, with dichroic treatment. Diameter 2.8".
1T1713	Chromatic filter Green. Glass made, with dichroic treatment. Diameter 2.8".
1T1714	Chromatic filter Blue. Glass made, with dichroic treatment. Diameter 2.8".
1T1715	Chromatic filter Yellow. Glass made, with dichroic treatment. Diameter 2.8".
1T1716	Chromatic filter Magenta. Glass made, with dichroic treatment. Diameter 2.8".
1T1777	Chromatic filter Cold tone. Interference glass filter to vary the colour temperature of light. Diameter 2.8".
1T1786	Chromatic filter Gold tone. Interference glass filter to vary the colour temperature of light. Diameter 2.8".
1T1759	Chromatic filter Peach tone. Interference glass filter to vary the colour temperature of light. Diameter 2.8".
1T1708	Parallel ribbed glass light blade filter. This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent. Diameter 2.8".
1T1711	Anti-glare grid. Black lacquered metal honeycomb structure. Diameter 2.8".
1E2523	Half Moon Anti glare shutter. Black finish. **Can be used as one per fixture with a filter or louver, not considered as part of the maxiumum optical accessories.**

Chromatic Filters


Tonal Filters


1T1708

1T1711

1E2523

SPECIFICATIONS

DESCRIPTION:
Powerful adjustable accent LED light. Suitable for wet/damp/dry location installations. Dimmable integral driver.

MATERIAL:
Standard overall material is 6061 aluminum.
HL-915 - Machined Aluminum

FINISH:
AA - Anodized Satin Aluminum
AP - Powder Coat Aluminum
BK - Powder Coat Black
BZ - Powder Coat Bronze
WT - Powder Coat White

LED OPTIONS:
Integral high output LED.
5 - 7.1 watts power consumption. 300 lumens at 3000K.
15 - 11.5 watts power consumption. 950 lumens @3000K.
CCT - Correlated Color Temperature
27 - 2700K (optional)
30 - 3000K (standard)
40 - 4000K (optional)

Optics - Five beam angles available.
SP - 14º Spot
NF - 25º Narrow Flood
NFL - 31º Narrow Flood
FL - 40˚ Flood
WFL - 60º Wide Flood

VOLTAGE:
12 - 12-VAC output transformer required, not included.

MOUNTING:
Fixture is designed with a 1/2" NPS adjustable mounting stem.

OPTIONS:
Glare shields
GL-915 - Angled, aluminum
GL-916 - Straight, aluminum

Lenses/Louvers/Color Filters
LA-1-20 - Hexcell Louver (Black)
LA-2-20 - Prismatic lens
LA-3-20 - Linear spread lens
LA-4-20 - Soft focus lens (diffused)
LA-5-20 - Moonlight lens
LA-6-20 - Blue lens

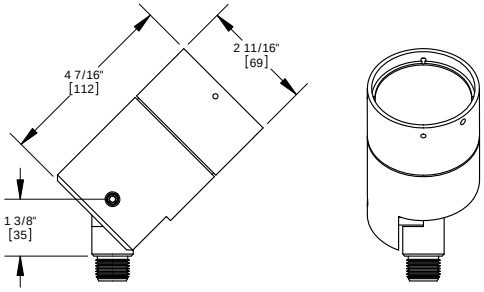
See fixture accessories for more information.

SAMPLE ORDER SPECIFICATION:
HL-915-15-30-NF-12-GL-915-LA-1-20

RATING:
Wet/damp/dry location.

Intertek

MADE IN THE USA



ORDER SPECIFICATION: _____ (Fixture) - _____ (Finish) - _____ (W-CCT-Optics) - _____ (Voltage) - _____ (Options/Access.)

PROJECT:

APPROVED:

NOTE:

TYPE:

HEVI LITE, INC.
9714 Variel Ave, Chatsworth, CA 91311
Tel., (818) 341-8091 - Fax (818) 998-1986
Web Site http://www.hevilite.com

CATALOG NUMBER:
HL-915

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SPECIFICATIONS

DESCRIPTION:
Light fixture ground spike with adjustable height. Suitable for wet/damp/dry location installations.

MATERIAL:
Standard overall material is 6061 aluminum with a PVC tube.
GM-14 - Machined Aluminum

FINISH:
AA - Anodized Satin Aluminum
AP - Powder Coat Aluminum
BK - Powder Coat Black
BZ - Powder Coat Bronze
WT - Powder Coat White

VOLTAGE:
Equipped with a 3ft SJO cord. Suitable for low voltage applications.

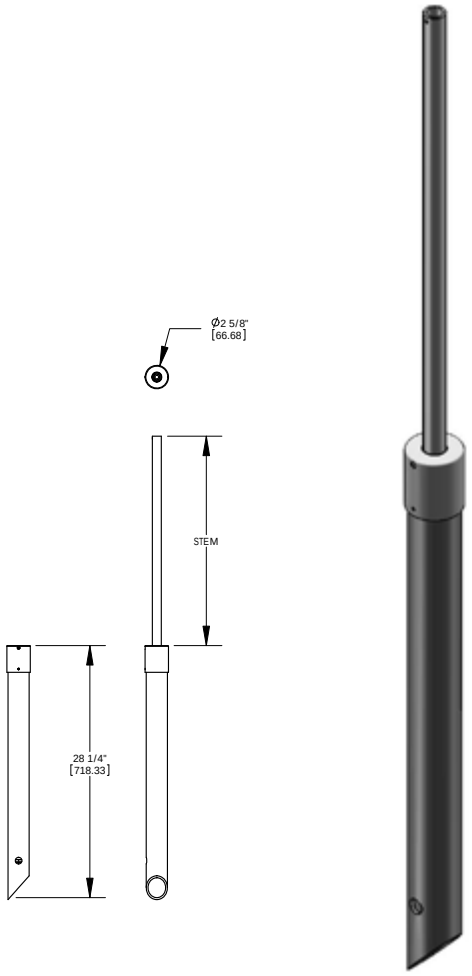
MOUNTING:
Ground mount is equipped with (1) 1/2-NPS mount for (1) light fixture, not included.

STEM:
Three standard extended stem lengths available. Custom lengths available.
12 - 12" stem
24 - 24" stem
36 - 36" stem

SAMPLE ORDER SPECIFICATION:
GM-14-BZ-24

RATING:
Wet/damp/dry location.

MADE IN THE USA



ORDER SPECIFICATION: _____ - _____ - _____ - _____ - _____
Fixture - Finish - Lamping - Voltage - Options/Access.

PROJECT:

APPROVED:

NOTE:

TYPE:

HEVI LITE, INC.
9714 Variel Ave, Chatsworth, CA 91311
Tel., (818) 341-8091 - Fax (818) 998-1986
Web Site http://www.hevilite.com

CATALOG NUMBER:
GM-14

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TRŌV®

OVERVIEW • SPECIFICATIONS • ORDERING

EXTERIOR | **L50 COVE**

DATE	PROJECT	FIRM	TYPE

THE L50 INCLUDES PATENTED OPTICAL DESIGN THAT DELIVERS THE WIDEST RANGE OF BEAM ANGLE OPTIONS FOR PRECISE COVE, WALL GRAZING, WALL WASHING OR LINE OF LIGHT APPLICATIONS. EXCLUSIVE FLIP TO FLAT™ HINGE DESIGN PROVIDES FLEXIBILITY WHEN MANAGING SMALL COVE DETAILS. TROV OFFERS SMOOTH, FLICKER FREE DIMMING DOWN TO 0%.

FEATURES :

- DIM TO 0%, ELV REVERSE PHASE
- 24 BEAM ANGLES
- MULTI-VOLT
- FLIP TO FLAT™
- 6 CCT OPTIONS
- 80+ AND 90+ CRI OPTIONS
- IP66 EXTERIOR OPTIONS

MODEL/ SIZE	INTERIOR/ EXTERIOR	LENGTH	POWER	CCT		CRI	VOLTAGE	OPTICS	
L50	E	12″ 48″	02 04 06 08 10 12	**WHITE CCT** 22 27 30 35 40 50	**MONO COLOR** GR**** BL AM RD***	80 90* Blank For Color	MULT (120-277V)	**GRAZING** 9 x 9 9 x 17 9 x 29 9 x 59 15 x 15 15 x 23 15 x 35 15 x 65 **COVE** 120** Asym **LINE OF LIGHT** LOL	**WASHING** 25 x 25 25 x 33 25 x 45 25 x 75 39 x 9 55 x 25 40 x40 40 x 48 40 x 60 40 x 90 45 x 15 70 x 40 70 x 70

EXAMPLE: L50-E-48-10-27-90-MULT-15x65 *90 CRi not available in 2200K or 5000K **120 is only available with Exterior option. See L35 spec sheet for interior cove options. ***Red is not available in 12W or 10W. ****Green is not available in 12W.

PERFORMANCE	WATTS	OPTIC	LUMEN OUTPUT	EFFICACY
	2W	120˚	95 lm/LF (311 lm/m)	48 lm/W
	4W	120˚	273 lm/LF (895 lm/m)	68 lm/W
	6W	120˚	426 lm/LF (1397 lm/m)	71 lm/W
	8W	120˚	586 lm/LF (1922 lm/m)	73 lm/W
	10W	120˚	697 lm/LF (2286 lm/m)	70 lm/W
	12W	120˚	807 lm/LF (2647 lm/m)	67 lm/W

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX	80+, 90+
COLOR CONSISTENCY	2-STEP MACADAM ELLIPSE
LUMEN DEPRECIATION / RATED LIFE	WATTS | L70 @ 25C | L70 @ 50C | L90 @ 25C | L90 @ 50C 2W-12W | >150,000 | >70,000 | >50,000 | >25,000

* CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

ELECTRICAL

POWER CONSUMPTION: 2W*/LF (6.6W/M) ; 4W/LF (13.2W/M) ; 6W/LF (19.8W/M) ; 8W/LF (26.4W/M) ; 10W/LF (33W/M) ; 12W/FL (39.6W/M)
* 3W/LF (9.9W/M) at 220V -277V

MAX FIXTURE RUN LENGTH

	2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF	
Volts	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'
120	214	214	186	186	152	152	114	114	91	91	76	76
220	374	392	340	340	277	277	209	209	95	167	95	139
277	374	494	374	428	349	349	263	263	95	190	95	175

POWER FACTOR	4W, 6W, 8W, 10W, 12W >0.9, 2W<0.9
OPERATING VOLTAGE	MULTIVOLT: 110-277VAC, 50/60 Hz
DRIVER	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS
STARTUP TEMPERATURE	-40˚F TO 122˚F (-40˚C TO 50˚C)
OPERATING TEMPERATURE	-40˚F TO 122˚F (-40˚C TO 50˚C)
STORAGE TEMPERATURE	-40˚F TO 176˚F (-40˚C TO 80˚C)

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/rise for the most updated information.

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OVERVIEW • SPECIFICATIONS • ORDERING

EXTERIOR | **L50 COVE**

DATE	PROJECT	FIRM	TYPE

CONTROL	**DIMMING**	110-277VAC, ELV TYPE 0.07%-100%, REVERSE PHASE, TRAILING EDGE ETC control systems require 0-10V control using EcoSense LDCM. TROV will not work with ETC phase dimmers.
PHYSICAL	**DIMENSIONS**	W 1.6" x H 2" x L 12"/48" ; (41.6mm x 50.5mm x 304.7mm/1201mm)
	HOUSING /LENS	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS; PLASTIC ENDCAPS RUBBER OVERMOLD FOR CABLE ASSEMBLY
	WEIGHT	1.52LBS / 0.69KG (1FT) ; 4.95LBS / 2.25KG (4FT)
	CONNECTORS	INTEGRAL MALE/ FEMALE CONNECTORS
	ENVIRONMENT	INDOOR • ETL CERTIFIED FOR DRY/DAMP LOCATIONS IP54 OUTDOOR • ETL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 Not intended to be used in water features such as waterfalls, fountains, etc.
	BEAM ANGLE	GRAZING, WASHING, COVE, ASYMMETRIC, LINE OF LIGHT
	MOUNTING OPTIONS	INTEGRAL MOUNTING AND ADJUSTABLE AIMING FROM 0°-180° IN 15° INCREMENTS
FIXTURE RATING & CERTIFICATIONS	**CE, ETL CERTIFIED** **RoHS COMPLIANT** **ENERGY STAR COMPLIANT** **RCM CERTIFIED**	Title 24 JA8-2016 *90 CRI models only
LIMITED WARRANTY	**5 YEARS**	

WIRING OPTIONS (MVOLT): 110-277VAC

Power Cable Assembly, TROV, Leader/Jumper, 10 foot	**CBL-3P-L-UNV-10***
Power Cable Assembly, TROV, Leader/Jumper, 50 foot	**CBL-3P-L-UNV-50***
Power Cable Assembly, TROV, Jumper, 5 foot	**CBL-3P-L-UNV-05****
Power Cable Assembly, TROV, Jumper, 1 foot	**CBL-3P-L-UNV-01****
Power Cable Assembly, TROV, Adjustable Jumper, 0" to 7"	**CBL-3P-L-UNV-ADJ**
Power Cable Assembly, TROV, Male and Female terminator caps	**CBL-3P-L-UNV-CAPS**

*Two (2) terminators are included with the 10' and 50' power cable. One Leader need per circuit/fixture run. Cables are not plenum rated.
** If using the 5' or 1' power cable assembly as a leader to power a run one set of CBL-3P-L-UNV-CAPS will also be need per cable.

0-10V CONTROL OPTIONS

100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated **LDCM-PL-120-277-010V-GR**
All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

OPTIONAL ACCESSORIES

Mounting

Mounting Track and Clips Set, 48 Inch Track, 8 Clips	**MNT-L-TRKCLIP-48**	48" track and clips set will work with one 48" fixture or four 12" fixtures.
Mounting Track and Clips Set, 12 Inch Track, 2 Clips	**MNT-L-TRKCLIP-12**	12" track will not work with 48" fixtures.
Mounting Track Clip, TROV, Set of 2	**MNT-L-CLIP**	Clips needed = 12" fixtures need 1 set of 2 and 48" fixture needs 2 sets of 2.
90 Degree L bracket, TROV, Set of 2	**MNT-L-LBKT**	L-Brackets needed = 12" fixtures need 1 set of 2 and 48" fixture needs 1 set of 2.
Angle Locking Clip, TROV, Pack of 10	**MNT-L-ANGLOCK**	Angle Locks needed = 12" fixtures need 1 and 48" fixtures need 2. (Must order separately)
Mounting, Fine Adjustment Bracket, TROV	**MNT-L-FAB**	Fine Adjustment Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.

*Fine Adjustment Bracket is highly recommended for Grazing Optics.

Mounting, Fine Adjustment L-Bracket, TROV	**MNT-L-LFAB**	Fine Adjustment L-Brackets needed = 12" fixtures need 1 and 48" fixtures need 2.

*Fine Adjustment L-Bracket is recommended for Asymetric Optics when aiming is needed.

Snap-on Lenses

Snap-on Lens, Frosted, 12 inch, L50	**LENS-L50-FROST-12**	Snap-on Lenses need = One 12" lens is needed per 12" fixture and one 48" lens is needed per 48" fixture. Snap on Lenses will not work with the asymmetric fixture. Clear lenses can be used to hold colored filters to customize the output color of any TROV fixture, except the ASYM. Color filters supplied by others.
Snap-on Lens, Frosted, 48 inch, L50	**LENS-L50-FROST-48**	
Snap-on Lens, Clear, 12 inch, L50	**LENS-L50-CLEAR-12**	
Snap-on Lens, Clear, 48 inch, L50	**LENS-L50-CLEAR-48**	

Wall Mount Arm

Wall Mount Arm, 6 inch, TROV	**WMA-L-CA-06**	Wall Mount Arms needed = For individual fixture installations two arms and one end set will be needed per fixture. For continuous run installation one endset will be needed per run. Each end set contains one left and one right end plate. One joining set wll be needed per joint. One arm per fixture will be need plus one extra arm to complete the run. For example: A 10ft run made with two 4ft and two 1ft fixtures will contain; 1 x WMA-L-END, 3 x WMA-L-JNR, and 5 x WMA-L-CA-12. Leader cables are not included with wall mount arms, end sets, or joiners sets.
Wall Mount Arm, 12 inch, TROV	**WMA-L-CA-12**	
Wall Mount Arm, 18 inch, TROV	**WMA-L-CA-18**	
Wall Mount Arm, 24 inch, TROV	**WMA-L-CA-24**	
Wall Mount Arm End Plate Set, TROV, Includes Left and Right	**WMA-L-END**	
Wall Mount Arm Joiner Plate, TROV	**WMA-L-JNR**	

Louvers

Louver, Asymmetric, 12 inch, L50	**LV-L50-ASYM-12**	Louvers Needed = One 12" louver is needed per 12" fixture and one 48" louver is needed per 48" fixture. 48" louver is made up of four 12" louvers. Louvers cannot be used with the asymmetric fixture
Louver, Asymmetric, 48 inch, L50	**LV-L50-ASYM-48**	
Louver, Symmetric, 12 inch, L50	**LV-L50-SYM-12**	
Louver, Symmetric, 48 inch, L50	**LV-L50-SYM-48**	
Louver, Honeycomb, 12 inch, L50	**LV-L50-HCOMB-12**	
Louver, Honeycomb, 48 inch, L50	**LV-L50-HCOMB-48**	

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DATE	PROJECT	FIRM	TYPE

OPTIONAL ACCESSORIES

Masking Plates

Masking Plate, 3 inch high, 12 inch, L50 & L35 ..... **MP-L50-3H-12**
Masking Plate, 3 inch high, 48 inch, L50 & L35 ..... **MP-L50-3H-48**

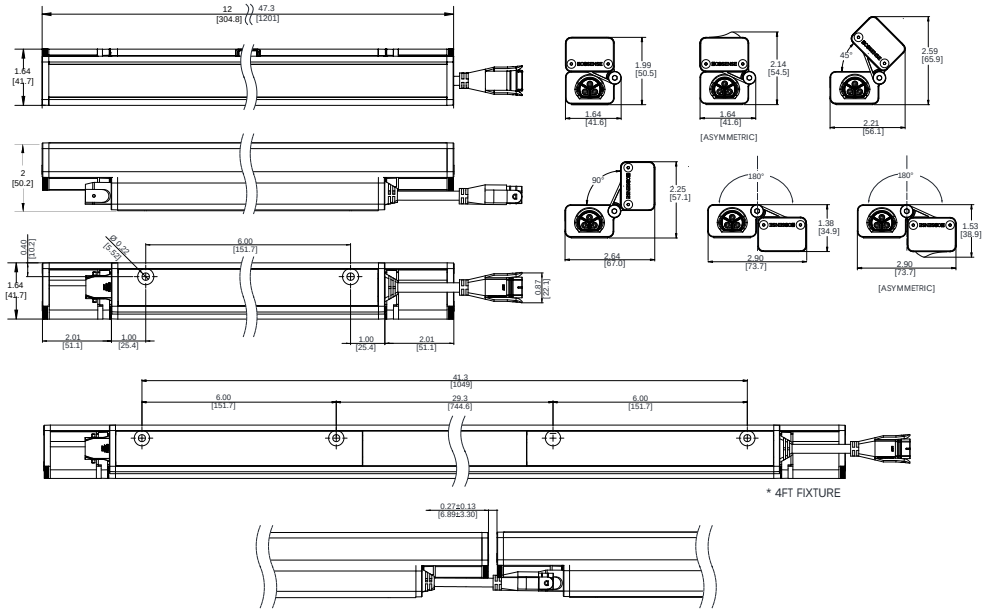
Masking Plates needed = One 12" plate is needed per 12" fixture and one 48" plate is needed per 48" fixture.

Landscape Stake

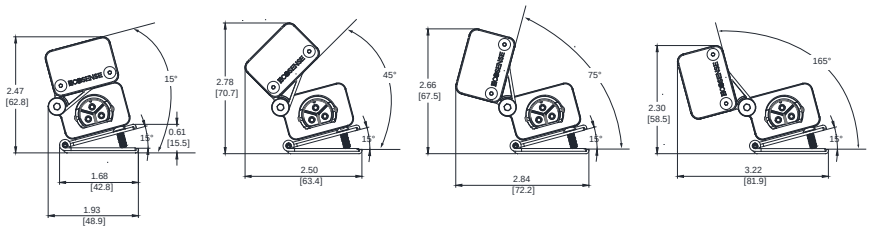
Landscape Stake, 6 inch, TROV, Set of 2 ..... **LS-L-STK-06**
Landscape Stake, 12 inch, TROV, Set of 2 ..... **LS-L-STK-12**
Landscape Stake, 18 inch, TROV, Set of 2 ..... **LS-L-STK-18**

Landscape Stakes needed = 12" and 48" fixtures both need one set of 2.

DIMENSIONS + MOUNTING



Fine Adjustable Bracket:



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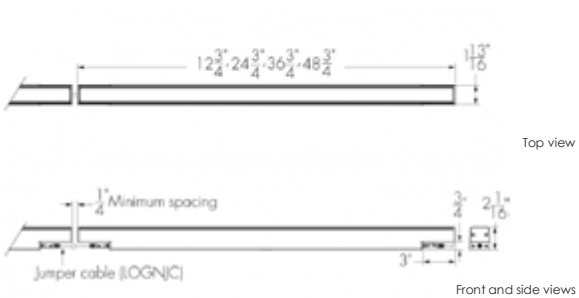
Specification Sheet

lumenfacade nano
LOGN

COLOR CHANGING

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____

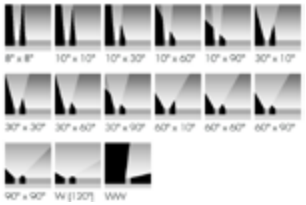


Photometric Summary

4ft, RGBW full output, DMX/RDM	Delivered output (lm)*	Intensity (peak cd)*
8°x8°	868	23,462
10°x10°	826	18,305
10°x30°	814	5,178
10°x60°	810	2,761
10°x90°	808	1,447
30°x10°	816	5,162
30°x30°	802	1,851
30°x60°	778	1,172
30°x90°	783	847
60°x10°	809	3,204
60°x60°	785	581
60°x90°	780	699
90°x90°	767	474
W (120°)	490	N/A
WW	865	4,195

Photometric performance is measured in compliance with IESNA LM 79-08.
*Estimated. Consult website for the latest IES and IDT files.

Optics



Description

The Lumenfacade Nano Color Changing is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano Color Changing packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including: optics for grazing, floodlighting, or wall washing; RGB, RGBW or RGBA color mixing; various mounting options, finishes and controls. The Lumenfacade Nano Color Changing is also available with a unique asymmetric distribution, providing exceptional uniformity and brightness for walls and signage.

Features

Color and Color Temperature	Additive RGB, Additive RGB + white 4000K, Additive RGB + amber
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Options	Corrosion-resistant coating for hostile environments
Power Consumption	4 W/ft
Warranty	5-year limited warranty

Performance

Delivered Output	724 lm (48 in fixture, RGB full output, 8° x 8°, UCTL), 868 lm (48 in fixture, RGBW full output, 8° x 8°, UCTL), 748 lm (48 in fixture, RGBA full output, 8° x 8°, UCTL)
Delivered Intensity	19,566 cd at nadir (48 in fixture, RGB full output, 8° x 8°, UCTL), 23,462 cd at nadir (48 in fixture, RGBW full output, 8° x 8°, UCTL), 20,211 cd at nadir (48 in fixture, RGBA full output, 8° x 8°, UCTL)
Illuminance at Distance	Minimum 1 fc at 153 ft (48 in fixture, RGB full output, 8° x 8°, UCTL), Minimum 1 fc at 168 ft (48 in fixture, RGBW full output, 8° x 8°, UCTL), Minimum 1 fc at 156 ft (48 in fixture, RGBA full output, 8° x 8°, UCTL)

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Specification Sheet

lumenfacade nano
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COLOR CHANGING

Colors and Color Temperatures

Controls

UCTL

Ratings

IP66 IK08

Certifications

Lumen Maintenance	L70 >90,000 hrs

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.4 lbs (12 in), 2.9 lbs (24 in), 4.4 lbs (36 in), 6 lbs (48 in)

Electrical and control

Voltage	48 VDC
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW, RGBA)
RGB Color Mixing	12 LEDs per 12 in (4x Red, 4x Green, 4x Blue)
RGBW Color Mixing	12 LEDs per 12 in (3x Red, 3x Green, 3x Blue, 3x White)
RGBA Color Mixing	12 LEDs per 12 in (3x Red, 3x Green, 3x Blue, 3x Amber)
Control	Universal control (compatible with DMX/RDM or DALI-2 Type 8 systems)

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08 (IK09 for 48 in fixtures)

Accessories (order separately)

Cables	Lumenfacade Nano Jumper Cable, Trunk Power Cable, Trunk Data Cable, Joiner for Lumenfacade Nano Jumper Cable
Control Boxes	Low-Voltage Control Box, Low-Voltage Splitter Box
Optical Accessories	Lumenfacade Nano Visor
Control Systems	Lumentone™ 2, Pharos® kit
Diagnostic and Addressing Tools	LumenID

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Specification Sheet

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COLOR CHANGING

Optical option installation details

HFR - Half-frosted lens

- Always position frosted side toward the wall.
- Applicable for 8° x 8°, 10° x 10° or asymmetric wallwash optics only.

WW - Asymmetric wallwash

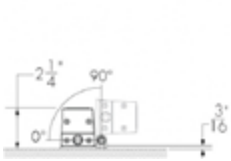
Recommended setback from wall is 1/10 of the wall height.

Example: 2 ft setback for a 20 ft wall.

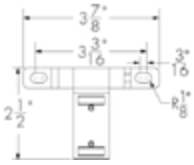
Mounting options

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

SAMN - Slim Adjustable Mounting Nano

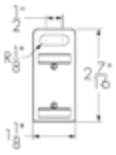


SAMN - Mounting hole pattern



UMPN - Fixed Mounting Nano

UMPN - Mounting hole pattern



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Specification Sheet

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LOGN
COLOR CHANGING

How to order

Housing	Wattage	Voltage	Length	Color and Color Temperature	Optics
LOGN Lumenfacade™ Nano	**4W** 4 W/ft	**48V** 48 VDC	**12** 12 3/4 in (1.4 lbs) **24** 24 3/4 in (2.9 lbs) **36** 36 3/4 in (4.4 lbs) **48** 48 3/4 in (6 lbs)	**RGB** Additive RGB **RGBW** Additive RGB + white 4000K standard. 2700K, 3000K and 3500K available, consult factory. (1) **RGBA** Additive RGB + amber	**8x8** 8° x 8° **10x10** 10° x 10° **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x10** 30° x 10° **30x30** 30° x 30° **30x60** 30° x 60° **30x90** 30° x 90° **60x10** 60° x 10° **60x60** 60° x 60° **60x90** 60° x 90° **90x90** 90° x 90 **W** Wide 120° **WW** Asymmetric Wallwash

Notes:
1. Longer lead times apply for Royal Blue, 2700K, 3000K and 3500K white color temperature mixes.

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COLOR CHANGING

How to order

Lens	Mounting Options [5]	Finish	Control [9]	Options	Certification
CL Clear lens [2] **FR** Frosted lens [3] **HFR** Half-frosted lens [4]	**SAMN** Slim Adjustable Mounting Nano **UMPN** Fixed Mounting Nano **UMASN** Universal Adjustable Mounting Nano **WAMN2** Adjustable Wall Mounting Nano 2 in **WAMN6** Adjustable Extended Arm Mounting Nano 6 in **WAMN12** Adjustable Extended Arm Mounting Nano 12 in **WAMN18** Adjustable Extended Arm Mounting Nano 18 in	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth white **CC** Custom color and finish (please specify RAL color) [6] [7] [8]	**UCTL** Universal control (compatible with DMX/RDM or DALI-2 Type 8 systems)	**CRC** Corrosion-resistant coating for hostile environments [10]	**UL** UL compliant **CE** CE compliant

Notes:

2. Not available for 8x8, 10x10, W or WW optics.
3. Not available for WW optic.
4. Available for 8x8, 10x10 or WW optics only.
5. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
6. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
7. Charges apply for RAL colors. Consult factory for details.
8. Longer lead times can be expected for custom RAL color finishes.
9. A Low-Voltage Control Box (LCBX) or Low-Voltage Splitter Box (LSBX) and LumenID (LID) must be specified.
10. Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure.

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Specification Sheet

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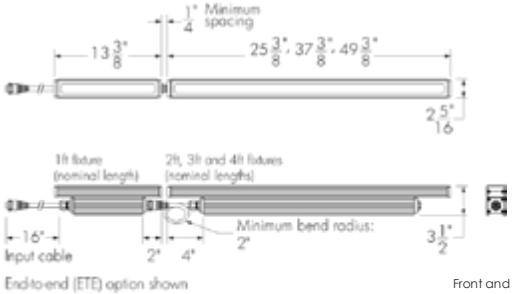
WHITE AND STATIC COLORS

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____

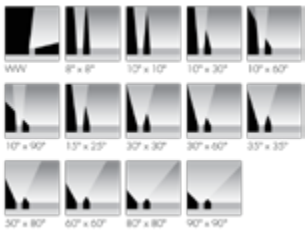


Photometric Summary

	Delivered output (lm)	Intensity (peak cd)
WW	3,592	5,159
8°x8°	4,045	77,896
10°x10°	3,830	38,346
10°x30°	3,885	30,056
10°x60°	3,984	17,736
10°x90°	3,576	7,897
15°x25°	3,880	24,730
30°x30°	3,765	14,726
30°x60°	3,848	5,106
35°x35°	3,921	9,999
50°x80°	3,767	3,449
60°x60°	3,435	3,007
80°x80°	3,881	2,530
90°x90°	3,588	1,886

Based on HO 4000K, 4ft [1219mm] configuration.
Photometric performance is measured in compliance with IESNA LM79-08.

Optics



Description

The Lumenfacade is a high-performance linear LED luminaire for grazing or floodlighting exterior walls and facades. Featuring second generation LED technology, the luminaire is available in 12 in, 24 in, 36 in or 48 in sections, and can be configured with a wide number of options, including: optics for grazing or flood lighting; a choice of outputs (ASHRAE 5 W/ft, RO 8.5 W/ft or HO 15.25 W/ft); various color temperatures or static colors; various mounting options, finishes, accessories and controls. The Lumenfacade is also available with a unique asymmetric wallwash distribution, providing exceptional uniformity and brightness for walls and signage.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Length (nominal)	12 in, 24 in, 36 in, 48 in
Optics	Asymmetric Wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 60°, 80° x 80°, 90° x 90°
Options	End-to-end configuration (factory installed 16 in black input cable included), Corrosion-resistant coating for hostile environments, 3G ANSI C136.31-2010 Vibration Rating for bridge applications, CE (certification covers European Economic Area)
Power Consumption	5 W/ft (meets ASHRAE standards for linear lighting on building facades - not available for 12 in fixture lengths), 8.5 W/ft (RO version), 15.25 W/ft (HO version), Typically 20% higher for 12 in fixture lengths
Warranty	5-year limited warranty

Performance

Illuminance at Distance	Minimum 1 fc at 133 ft (HO 4000K, 48 in fixture, 10° x 60°, DMX/RDM)
Color Consistency	2 SDCM, 3 SDCM (2200K)

lumenpulse™
1220 Marie-Victorin Blvd., Longueuil, QC J4G 2H9 CA
info@lumenpulse.com **www.lumenpulse.com**
T United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003 **F** 514.937.6289
www.lumenpulse.com/products/1908

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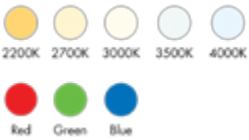
MS - R70

Specification Sheet

lumenfacade
LOG
WHITE AND STATIC COLORS

Colors and Color Temperatures



Controls

ON/OFF 0-10V DALI

lumentalk DMXrdm EcoSystem Enabled

Ratings

IP66 IK07*

*asymmetric wallwash lens is IK06 rated

Certifications

Color Rendering	Minimum CRI 80
Lumen Maintenance	L70 280,000 hrs, L95 35,000 hrs

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	12 in: 4.5 lbs, 24 in: 7 lbs, 36 in: 10.5 lbs, 48 in: 14 lbs

Electrical and control

Voltage	100 to 277 volts, 347 volts available (consult factory for details)
Fixture Cable	Power and data in one cable, End-to-end option (ETE): 16 in black input cable (no jumper cable needed for minimum spacing between two fixtures)
Leader Cable Conductor	5C #16-5
Maximum Cable and Fixture Run Length	252 ft (On/Off, 277V, RO version), 164 ft (On/Off, 277V, HO version)
Control	On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66, Wet location rated
Impact Resistance Rating	IK07 (asymmetric wallwash lens is IK06 rated)

Accessories (order separately)

Optical Accessories	Lumenfacade Radial Louver
Cables	Leader cable (standard), Jumper cable (standard), Leader cable (ETE), Jumper cable (ETE)
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration), Lumentalk Data Bridge
Control Systems	Lumentone™ 2, Pharos® kit
Diagnostic and Addressing Tools	LumenID, LumentalkID

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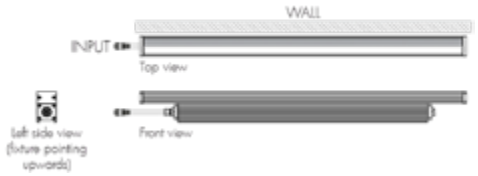
Specification Sheet

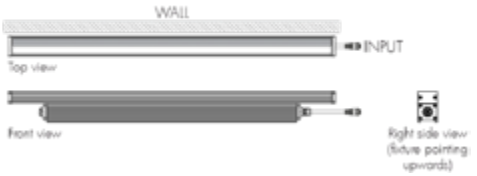
lumenfacade
LOG
WHITE AND STATIC COLORS

Asymmetric wallwash optic details

WWLF - Asymmetric wallwash optic, left feed



WWRF - Asymmetric wallwash optic, right feed

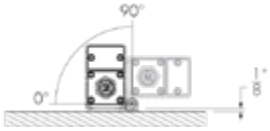


- Always position frosted side toward the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- Recommended setback from wall is 1/10 of the wall height. Example: 2 ft setback for a 20 ft wall.

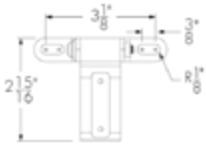
Mounting options

Surface Mount

SAM - Slim Adjustable Mounting

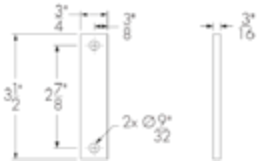


SAM - Mounting hole pattern



UMP - Fixed Mounting

UMP - Mounting hole pattern



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Specification Sheet

lumenfacade
LOG
WHITE AND STATIC COLORS

How to order

Housing [2]	Voltage [3]	Length	Color and Color Temperature [5]	Optics	Mounting Options	Finish	Control	Options
LOG ASHRAE Lumenfacade™, 5 W/ft ASHRAE compliant [1]	**100** 100 volts	**12** 13 3/8 in (4.5 lbs) [2] [4]	**22K** 2200K	**WWLF** Asymmetric Wallwash, left feed	**SAM** Slim Adjustable Mounting	**BK** Black Sandtex®	**NO** On/Off control	**ETE** End-to-end configuration (factory installed 16 in black input cable included)
LOG RO Lumenfacade™ Regular Output, 8.5 W/ft	**120** 120 volts	**24** 25 3/8 in (7 lbs)	**27K** 2700K	**WWRF** Asymmetric Wallwash, right feed	**UMP** Fixed Mounting [8]	**BRZ** Bronze Sandtex®	**LT** Lumentalk [4] [12] [13]	**CRC** Corrosion-resistant coating for hostile environments [16] [17]
LOG HO Lumenfacade™ High Output, 15.25 W/ft	**208** 208 volts	**36** 37 3/8 in (10.5 lbs)	**30K** 3000K	**8x8** 8° x 8° [7]	**UMAS** Universal Adjustable Mounting [8]	**SI** Silver Sandtex®	**DIM** 0-10V dimming	**3GV** 3G ANSI C136.31-2010 Vibration Rating for bridge applications [18]
	220 220 volts	**48** 49 3/8 in (14 lbs)	**35K** 3500K	**10x10** 10° x 10° [7]	**WAM2** Adjustable Wall Mounting 2 in	**WH** Smooth white	**DALI** DALI dimming	**CE** CE (certification covers European Economic Area) [19]
	240 240 volts		**40K** 4000K	**10x30** 10° x 30°	**WAM6** Adjustable Extended Arm Mounting 6 in	**CC** Custom color and finish (please specify RAL color) [9] [10] [11]	**ES** Lutron® EcoSystem® Enabled dimming [14]	
	277 277 volts		**RD** Red [6]	**10x60** 10° x 60°	**WAM12** Adjustable Extended Arm Mounting 12 in		**DMX/RDM** DMX/RDM enabled [15]	
			GR Green [6]	**10x90** 10° x 90°	**WAM18** Adjustable Extended Arm Mounting 18 in			
			BL Blue [6]	**15x25** 15° x 25°				
				30x30 30° x 30°				
				30x60 30° x 60°				
				35x35 35° x 35°				
				50x80 50° x 80°				
				60x60 60° x 60°				
				80x80 80° x 80°				
				90x90 90° x 90				

Notes:

1. ASHRAE version not available for 12 in fixture lengths.
2. Power consumption is typically 20% higher for 12 in fixture lengths.
3. 347 volts available, consult factory for details.
4. To connect 12 in fixture lengths to the Lumentalk system, DIM or DMX/RDM must be specified as the control option, and a Lumentalk Data Bridge (LDB) is required. See the typical wiring diagrams in the specification sheet for details.
5. Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.
6. Static colors made to order 8-10 weeks.
7. For best results use with HO fixtures at a 6 in setback from surface. Contact factory for application support.
8. Suitable to use when 3GV option is specified.
9. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
10. Setup charges apply for RAL colors. Consult factory for details.
11. Longer lead times can be expected for custom RAL color finishes.
12. Available for 24 in, 36 in and 48 in fixture lengths only.
13. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
14. Available for 24 in (ASHRAE and RO only), 36 in and 48 in fixture lengths only.
15. A control box (CBX) and LumenID (LID) must be specified.
16. Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure.
17. Setup charges apply. Consult factory for details.
18. Available with UMP and UMAS mounting options only.
19. Consult European specification sheet and installation instructions for CE wiring information.

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VIA 2 LED

RECESSED

5 YEARS WARRANTY

LUMENWERX
WWW.LUMENWERX.COM

Shown with HLO flush

Shown with HLO 0.5" drop

Shown with HLO 1.0" drop

DESCRIPTION

Efficient and flexible, the Via 2 recessed features numerous optical configurations including flush, regressed and drop diffusers. Via 2 can be installed as discrete luminaires, continuous runs, and patterns, with a wide range of lumen packages, color choices, and electrical and controls options. Via 2 is part of the larger Via family, which includes visually coordinated recessed and mounted luminaires, as well as other light distributions, including wall washing and asymmetric optics, and ChromaWerx (see separate specification sheets).

PROJECT: _____

TYPE: _____

NOTES: _____

up to 103 lm/w performance

IC RATED

ORDER GUIDE

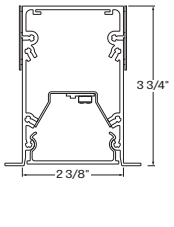
VIA2R	HLO		LED		
LUMINAIRE ID	**OPTICS**	**LENS POSITION**	**LIGHT SOURCE**	**CRI**	**LUMEN PACKAGES**
VIA2R - via 2" recessed	**HLO** - High-Efficiency Lambertian Optic	**FH** - Flush **0.5D** - 0.5" drop **1.0D** - 1.0" drop	**LED** - high performance LED	**80** - 80CRI **90** - 90CRI	**350** - min. low output 350lm/ft **500** - medium output 500lm/ft **750** - max. high output 750lm/ft **####** - other required lm/ft

COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL
27 - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	Standard sections - 2', 3', 4', 5', 8' & 12' For all other specify length **#FT** - nominal length in feet **#IN** - length in inches Continuous Run - for luminaires over 12' Minimum Individual section 2'	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** - 347V (not available with Lutron)	**D1** - 1% dimming 0-10V **DA** - Dali **LTEA2W** - Lutron 1% - 2 wire FF 120V **LDE1** - Lutron Hi-lume 1% Eco **LDE5** - Lutron 5% EcoSystem	**1** - 1 circuit **+#EB** - emergency battery (min 6' fixture, except Lutron) **+#EM** - emergency light circuit **+#NL** - night light circuit **+GTD###** - generator transfer device, 120V or 277V

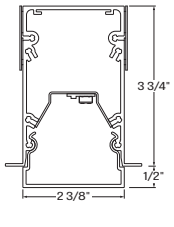
MOUNTING	FINISH	CONTROLS	OPTIONS
TG9 - tegular 9/16" **TG15** - tegular 15/16" **TB9** - t-bar 9/16" **TB15** - t-bar 15/16" **ST** - screw slot t-bar **DTR** - drywall trim **DTL** - drywall trimless **DMF** - drywall mud flange	**W** - matte white **CF#** - custom finish specify RAL#	**STANDALONE CONTROLS** **OMS** - Onboard Occupancy **ODS** - Onboard Daylight **OCS** - Onboard Occupancy & Daylight **CONNECTED CONTROLS** **CCS()** - **LU**-Lutron, **EN**-Enlighted, **OS**-Osram, **CR**-Crestron. To specify see information on page 4	**FU** - fuse **ITR** - integrated track (consult factory) **FWC** - flexible whip cable (6' std) **CP** - Chicago Plenum **CU** - custom

See page 2 for ordering code detailed information

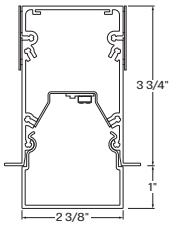
CROSS SECTION



VIA2R - HLO-FH



VIA2R - HLO-0.5D



VIA2R - HLO-1.0D

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Intertek

VIA 2 LED

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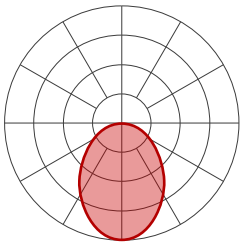
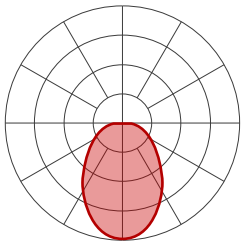
PHOTOMETRICS

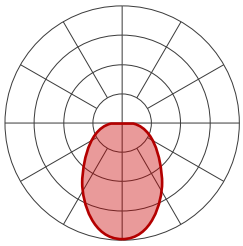
Please follow the multiplier tables to ensure correct lumen value. Lensing, CCT and CRI, will change the lumen output.



HLO-FH



HLO-0.5D



HLO-1.0D

HLO-FH Delivered Lumens for Flush at 35K 80CRI

Lumens per Foot	Total Lumens Per 4FT	Input Watts	LPW
350	1400	13.5	103
500	2000	20	101
750	3000	29.5	102

Multiplier - Drop Lens

Direct lens	Watts Multiplier	LPW Multiplier
Flush lens	1.00	1.00
Drop lens 0.5"	0.99	1.00
Drop lens 1.0"	0.95	1.05

Multiplier - CCT/CRI

CCT (K)	Watts Multiplier		LPW Multiplier	
	CRI80	CRI90	CRI80	CRI90
2700	1.05	1.26	0.95	0.79
3000	1.01	1.23	0.99	0.81
3500	1.00	1.20	1.00	0.84
4000	1.00	1.17	1.00	0.85
5000	0.90	1.09	1.11	0.92
6500	0.94	1.11	1.06	0.90

OPTICS

High Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic provides up to 88% transmission and good source obscuration. Matte white reflectors distribute LED output across the shielding. Luminaire brightness is controlled by the ratio of luminous flux to shielding area. HLO is available as a flush diffuser or as a drop diffuser, extending 0.5" or 1.0" below the luminaire housing. Drop diffusers are extruded with glued end caps. HLO optics have a Spacing Criteria of 1.06.

LIGHT SOURCE - LED

Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance.
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

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VIA 2 LED

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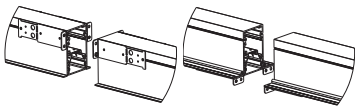
LUMINAIRE LENGTH

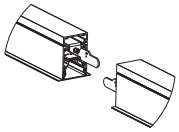
Via 2 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

Joining system for flush

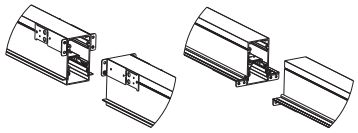


T-bar Mud flange

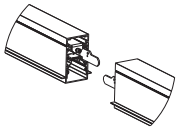


Trim & Trimless

Joining system for drop lens



T-bar Mud flange



Trim & Trimless

ELECTRICAL

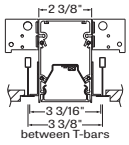
Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), Lutron 5-Series (5% Ecosystem), DMX (RDM compatible) and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

EMERGENCY

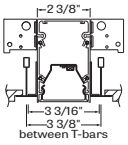
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1000 lumens per 4ft (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS

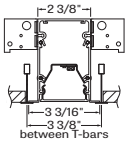
Recess mount into exposed or concealed T-Bar or Tegular grid ceiling



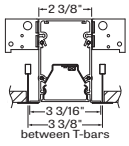
TG9 - tegular 9/16"



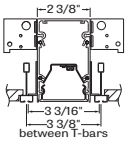
TG15 - tegular 15/16"



TB9 - t-bar 9/16"

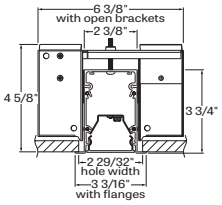


TB15 - t-bar 15/16"

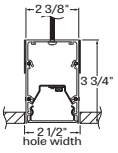


ST - screw slot t-bar

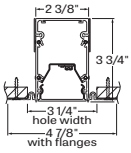
Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless



DTR - drywall trim



DTL - drywall trimless



DMF - drywall mud flange

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or aluminum powder coating.
Custom finishes are also available.

www.lumenwerx.com (T) 514-225-4304 (F) 514-931-4862 © All rights are reserved to LumenWerx ULC.
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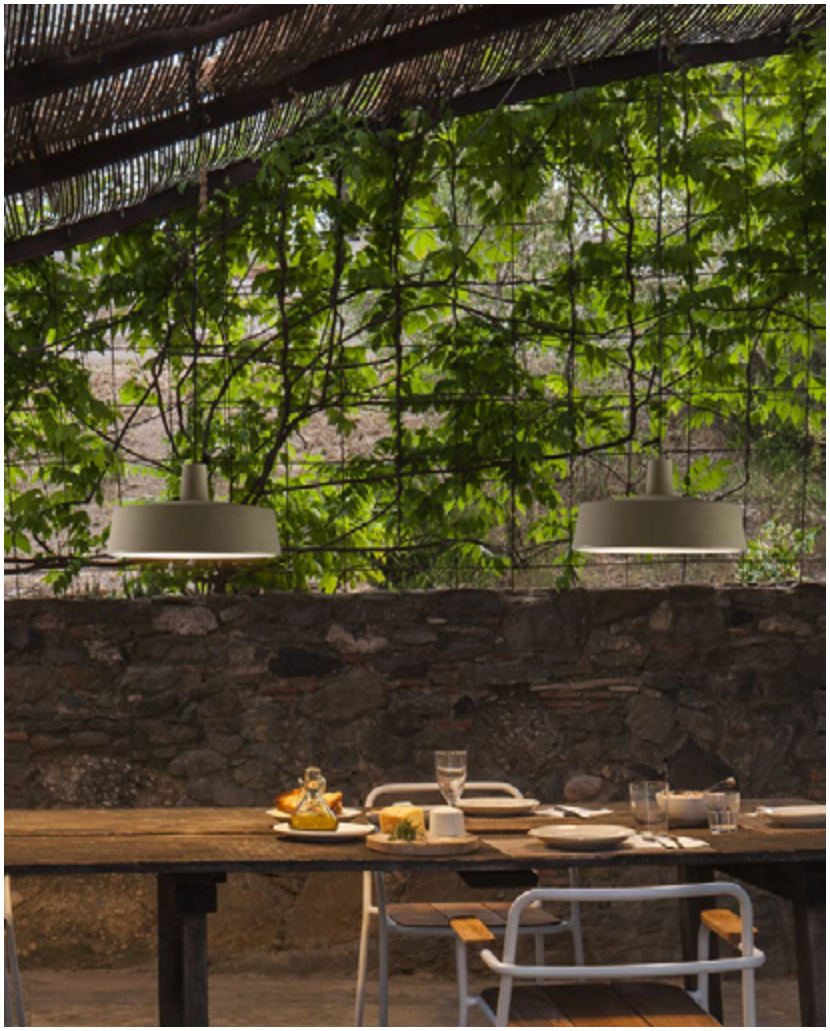


Soho
Joan Gaspar

marset

October 30, 2020

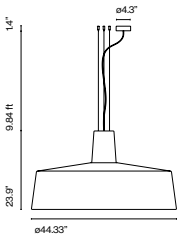
Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LP1

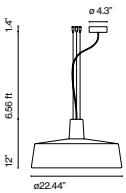
Soho Joan Gaspar

marset

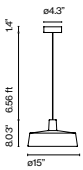
Soho 112



Soho 57



Soho 38



Soho 112
LED SMD 160W 300mA
2700K* CRI80
Delivered lumens 8836lm (included)
* 3000K on request
0-10v (120-277V)

Soho 57
LED SMD 36W 700mA
2700K* CRI80
Delivered lumens 2086lm (included)
* 3000K on request
Dual dimming driver: Triac (120V only) or 0-10v (120-277V)

Soho 38
LED SMD 14W 700mA 2700K CRI80
Delivered lumens 1050lm (included)
Triac phase control dimmer

Black electrical cord

120/277 V - 50/60 Hz

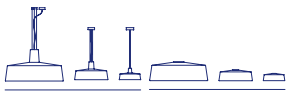
Shade in rotary moulded polyethylene. Methacrylate opal diffuser. Metal support lacquered in black with stainless anti-oxidant catapho-resis treatment for outdoor. Cable support for the wall version.

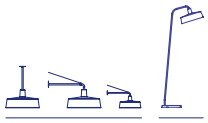
- White
- Stone Grey
- Black
- Sand (only available in Soho 38)
- Sky blue (only available in Soho 38)

Dimmable

Download Assembly Instructions
Download Photometric Data
Download 2D
Download 3D

Range





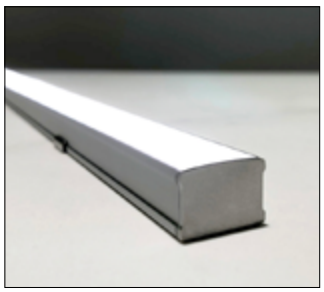
⚠**WARNING.** California Proposition 65 Warning for California Consumers. This product can expose you to chemicals including wood dust and lead which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

marsetusa@marset.com
www.marset.com

The striking, industrial shapes in the Soho collection are reminiscent of the lamps that were traditionally used in markets and taverns, but they contrast through the use of thoroughly contemporary materials and textures.

Kendo M Wet | Linear Illumination System

luminii



Features

- 24VDC Class 2 for wet locations fixtures made to order up to 144". Fixtures can be linked up to 35' depending on output
- Dot free even illumination achievable with frosted lens
- Vibrant colors with R9 values up to 98
- Single micro binned LEDs +/- 30 CCT
- Dims with minimal color shift
- Class 2 listed for wet locations
- 3 Year warranty

IP68

Made in USA

c UL us LISTED

IC RATED

RoHS Compliant

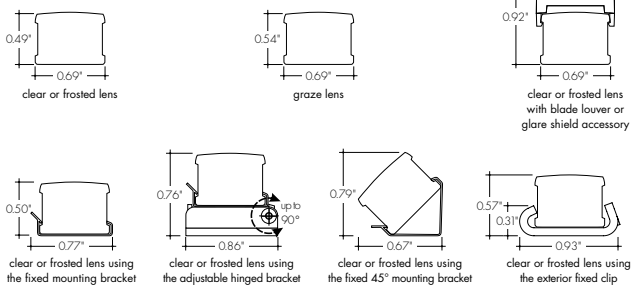
SINGLE BIN +/- 30 CCT

dimmable

Finish options

- Silver anodized
- Black powder coated
- Bronze powder coated
- White powder coated

Profile dimensions



Technical information

OUTPUT OPTIONS

Output	Lumens at 4000K (with clear lens)	Average power consumption at 4'	Lumens / Watt (with clear lens)	Maximum system length In series
LO (LL18)	74	1.6 W/ft	46 lm/W	80'
SO (LL36)	149	3.2 W/ft	47 lm/W	35'
HO (LL54)	209	5.2 W/ft	40 lm/W	26'
VHO (LL72)	291	6.5 W/ft	45 lm/W	18'

CCT INFO/LUMEN MULTIPLIER **TM-30-15**

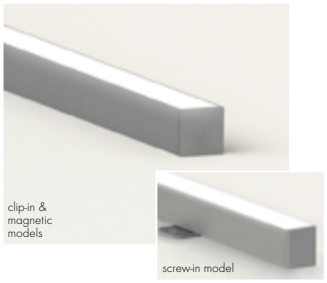
Color temperature	Multiplier (reference - 4000K)	CRI	R_f	R_g
2700K	0.73	97	95	101
3000K	0.81	91	89	98
3500K	0.86	94	90	102
4000K	1.00	94	86	96

Ordering code

MODEL	LENGTH	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWER FEED POSITION / TYPE		ACCESSORIES
KMW	12	27K	LO	C	FC	SA	E	1	BLS
KMW - Kendo M Wet	12" - 144" 4" increments	27K - 2700 K 30K - 3000 K 35K - 3500 K 40K - 4000 K	LO - Low SO - Standard HO - High VHO - Very High	C - Clear F - Frosted G - Graze	FC - Fixed clip AH - Adjustable hinge mounting FC45 - Fixed clip 45 degree EFC - Exterior fixed clip	SA - Silver BK - Black BZ - Bronze WH - White (BK,BZ,WH finishes will have an upcharge and require longer lead times)	E - End B - Back S - Side	1 - 72" wire leads 1X2 - 72" wire leads at both ends 2 - 72" wire leads at one end and quick connect at other 3 - Single quick connect 4 - Dual quick connect	____ - N/A, leave blank BLS - Blade louver, Silver BLBK - Blade louver, Black BLWH - Blade louver, White GSS - Glare shield, Silver GSBK - Glare shield, Black GSWH - Glare shield, White

Bosca | Linear Illumination System

luminii



Features

- 24VDC Class 2 fixtures made to order up to 144". Fixtures can be linked up to 35' depending on output
- Suitable for undercabinet, millwork recessed and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A)(3) and 410.16(C)(5)
- Dot free even illumination achievable with frosted & raised lens with certain outputs
- Vibrant colors with R9 values up to 98
- Single micro binned LEDs +/- 30 CCT
- Dims with minimal color shift
- Class 2 listed for damp locations
- Proprietary strong bond solder method handles up to 50lbs of torque on wire leads and connectors
- 5 Year warranty

MADE IN U.S.A.

c UL us LISTED

IC RATED

RoHS

Single Bin 2-Step SDCM

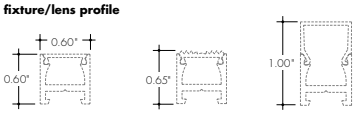
DIM

Finish options

- Silver anodized
- Black powder coated
- Bronze powder coated
- White powder coated

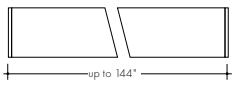
Profile dimensions

fixture/lens profile

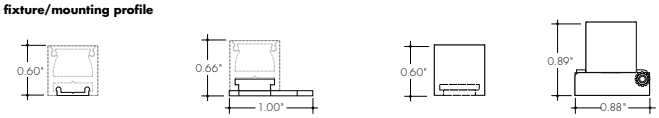


frosted or satin ice lens | graze lens | raised lens

fixture side



fixture/mounting profile



frosted or satin ice lens using the clip-in channel | frosted or satin ice lens using the screw-in bracket | frosted or satin ice lens using the magnetic bracket | frosted or satin ice lens using the adjustable bracket

Technical information

OUTPUT OPTIONS

Output	Lumens at 3000K (with satin ice lens, SOHD with frosted lens)	Average power consumption at 4'	Lumens / Watt	Maximum system length Achievable via feed through fixture wiring
SO (LL36)	162 lm/ft	3.2 W/ft	51 lm/W	35'
SOHD (LL72-LO)	148 lm/ft	4.0 W/ft	37 lm/W	24'
HO (LL54)	250 lm/ft	5.2 W/ft	48 lm/W	26'
VHO (LL72)	355 lm/ft	6.5 W/ft	55 lm/W	18'

CCT INFO / LUMEN MULTIPLIER — **TM-30-15**

Color Temperature	Multiplier (reference - 3000K)	CRI	R_f	R_g
1900K	0.63	96	94	97
2200K	0.68	96	95	101
2400K	0.72	98	97	101
2700K	0.76	97	96	101
2900K	0.82	98	96	102
3000K	1.00	97	95	104
3500K	1.05	97	94	105
4100K	1.37	97	90	99

Ordering code

MODEL	LENGTH	CCT	OUTPUT	LENS	MOUNTING	FINISH	POWER FEED POSITION / TYPE	
BOS	**12**	**19K**	**SO**	**F**	**C**	**SA**	**E**	**1**
BOS - Bosca	12" – 144" 4" increments	19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 29K - 2900K 30K - 3000K 35K - 3500K 41K - 4100K	SO - Standard SOHD - Standard High Density HO - High VHO - Very High	F - Frosted SI - Satin Ice G - Graze R - Raised	C - Clip-in SC - Screw-in M - Magnetic AH - Adjustable hinge mounting	SA - Silver BK - Black BZ - Bronze WH - White (BK,BZ,WH finishes will have an upcharge and require longer lead times)	E - End B - Back S - Side	1 - 72" wire leads 1X2 - 72" wire leads at both ends 2 - 72" wire leads at one end and quick connect at other 3 - Single quick connect 4 - Dual quick connect

October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

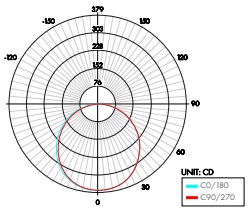
Luminaire Type
LS2

Bosca | Linear Illumination System

luminii

Photometry

BOS-48-30K-VHO-F-XX

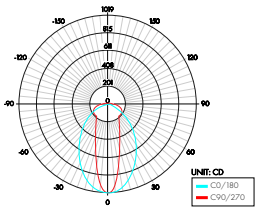


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	292	27%
0-40	479	44%
0-60	846	77%
0-90	1089	99%
Total 0-180	1100	100%

Beam Angle: 112°

BOS-48-30K-VHO-G-XX

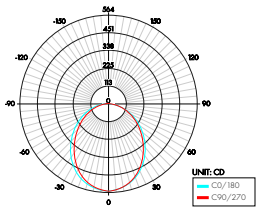


Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	490	33%
0-40	702	47%
0-60	1072	72%
0-90	1399	93%
Total 0-180	1497	100%

Beam Angle: 28°

BOS-48-30K-VHO-SI-XX



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	420	30%
0-40	672	47%
0-60	1128	79%
0-90	1406	99%
Total 0-180	1420	100%

Beam Angle: 96°

Light Transmission

Lens/Accessory	Percentage Light Transmission
graze lens	100%
satin ice	82%
raised lens	72%
frosted lens	65%

LED Dotting per output/lens

Output type	Lens Type				
	Clear	Satin Ice	Frost	Graze	Raised
SO (LL36)	CD	CD	SD	CD	ND
SOHD (LL72-LO)	CD	CD	ND	CD	ND
HO (LL54)	CD	CD	ND	CD	ND
VHO (LL72)	CD	CD	ND	CD	ND

CD = Clear Dotting
SD = Slight Dotting
ND = No Dotting

Clear Dotting | Slight Dotting | NO Dotting

October 30, 2020

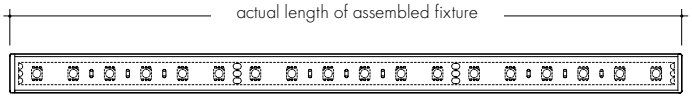
Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LS2

Power consumption per fixture length

Based on operation with PSD series of power supplies.

		SO			SOHD			HO			VHO	
Nominal Length	Actual Length	W/ft	Total wattage	Actual Length	W/ft	Total wattage	Actual Length	W/ft	Total wattage	Actual Length	W/ft	Total wattage
12"	12-13/16"	3.25	3.25	12-12/16"	4.20	4.20	12-12/16"	5.35	5.30	12-12/16"	6.75	6.75
16"	16-11/16"	3.25	4.00	16-10/16"	4.23	5.66	16-11/16"	5.33	7.06	16-10/16"	6.75	9.00
20"	20-11/16"	3.25	5.25	20-10/16"	4.27	7.12	20-11/16"	5.31	8.82	20-10/16"	6.75	11.25
24"	24-9/16"	3.25	6.50	24-9/16"	4.30	8.60	24-10/16"	5.30	10.60	24-9/16"	6.75	13.50
28"	28-8/16"	3.25	7.75	28-8/16"	4.20	9.77	28-8/16"	5.28	12.33	28-8/16"	6.75	16.75
32"	32-8/16"	3.25	8.50	32-7/16"	4.10	10.94	32-8/16"	526	14.06	32-7/16"	6.75	19.00
36"	36-6/16"	3.25	9.75	36-6/16"	4.00	12.10	36-7/16"	5.25	15.80	36-6/16"	6.65	19.95
40"	40-5/16"	3.25	10.25	41-5/16"	4.00	13.43	40-6/16"	5.23	17.40	41-5/16"	6.65	22.20
44"	44-5/16"	3.20	11.75	45-4/16"	4.00	14.76	44-5/16"	5.21	19.00	45-4/16"	6.65	24.40
48"	48-4/16"	3.20	12.80	49-3/16"	4.00	16.10	48-4/16"	5.20	20.60	49-3/16"	6.55	26.20
52"	52-3/16"	3.20	13.30	53-2/16"	3.97	17.27	53-8/16"	5.18	22.40	53-2/16"	6.55	28.50
56"	56-2/16"	3.20	14.80	57-1/16"	3.95	18.44	57-7/16"	5.16	24.20	57-1/16"	6.55	30.50
60"	60-1/16"	3.20	16.00	61 "	3.92	19.60	61-6/16"	5.15	26.00	61 "	6.45	32.25
64"	64 "	3.20	17.00	64-15/16"	3.89	20.73	65-5/16"	5.13	27.60	64-15/16"	6.45	34.40
68"	69-14/16"	3.15	18.00	68-14/16"	3.86	21.86	69-4/16"	5.11	29.20	68-14/16"	6.45	36.55
72"	73-13/16"	3.15	18.90	72-13/16"	3.83	23.00	73-3/16"	5.10	30.80	72-13/16"	6.40	38.40
76"	77-12/16"	3.15	19.00	76-12/16"	3.80	24.06	77-2/16"	5.08	32.40	76-12/16"	6.40	40.50
80"	81-12/16"	3.15	21.50	80-11/16"	3.83	25.12	81-2/16"	5.06	34.00	80-11/16"	6.40	43.00
84"	85-10/16"	3.15	22.05	84-10/16"	3.74	26.20	85-1/16"	5.05	35.70	84-10/16"	6.25	43.75
88"	89-9/16"	3.15	23.00	88-9/16"	3.73	27.33	88-15/16"	5.03	37.10	88-9/16"	6.25	46.00
92"	93-8/16"	3.10	24.00	92-8/16"	3.71	28.46	92-14/16"	5.01	38.50	92-8/16"	6.25	48.00
96"	97-7/16"	3.10	24.80	97-7/16"	3.70	29.60	96-14/16"	5.00	40.00	97-7/16"	6.15	49.20
100"	101-7/16"	3.10	26.30	101-6/16"	3.67	30.56	100-13/16"	4.98	41.60	101-6/16"	6.15	51.25
104"	105-5/16"	3.05	27.10	105-4/16"	3.64	31.53	104-12/16"	4.96	43.20	105-4/16"	6.15	53.00
108"	109-5/16"	3.05	28.00	109-4/16"	3.61	32.50	108-11/16"	4.95	44.80	109-4/16"	6.00	54.00
112"	113-4/16"	3.05	28.50	113-3/16"	3.59	33.46	112-10/16"	4.93	46.20	113-3/16"	6.00	56.00
116"	117-2/16"	3.05	30.00	117-2/16"	3.56	34.43	116-9/16"	4.91	47.60	117-2/16"	6.00	58.00
120"	121-2/16"	3.00	30.50	121-1/16"	3.54	35.40	120-9/16"	4.90	48.90	121-1/16"	5.90	59.00
124"	125-1/16"	3.00	31.50	125 "	3.52	36.36	124-8/16"	4.88	50.40	125 "	5.90	60.60
128"	128-15/16"	3.00	32.50	128-15/16"	3.50	37.33	128-7/16"	4.86	51.90	128-15/16"	5.90	62.20
132"	132-15/16"	2.95	33.50	132-14/16"	3.48	38.30	132-6/16"	4.85	53.30	132-14/16"	5.80	63.80
136"	136-14/16"	2.95	34.30	136-13/16"	3.46	39.20	136-5/16"	4.83	54.70	136-13/16"	5.80	65.30
140"	140-13/16"	2.95	35.20	140-12/16"	3.44	40.10	140-4/16"	4.81	56.10	140-12/16"	5.80	66.80
144"	144-12/16"	2.90	36.00	144-11/16"	3.42	41.00	145-8/16"	4.80	57.40	144-11/16"	5.70	68.40



Lightology

Sword Wall Light

PRODUCT NUMBER SON421505

DESIGNER Robert Sonneman
BRAND SONNEMAN - A Way of Light

DESCRIPTION

The Sword Wall Light is made of aluminum in Textured Gray, Textured White or Textured Bronze finish and features a rectangular blade of light. Includes 13 watts 3000K color temperature LED, 90CRI, 1190 lumens, and LED driver which fits inside junction box. 24.25 inch height x 1.75 inch width x 2.75 inch depth. 4.5 inch width x 4.5 inch height canopy. UL listed. ADA compliant. Wet location rated.

Shown in: Textured Gray

SHADE COLOR	N/A
BODY FINISH	Textured Gray
LAMP	1 x LED/13W/120V LED
WATTAGE	13W
DIMMER	Low Voltage Electronic
DIMENSIONS	1.75"W x 24.25"H x 2.75"D

Technical Information

LUMINOUS FLUX	1190 lumens
LUMENS/WATT	91.54
LAMP COLOR	3000 K
COLOR RENDERING	90 CRI

PRODUCT NUMBER SON421505

COMPANY	PROJECT	FIXTURE TYPE	APPROVED BY	DATE

LED recessed wall - shielded

BEGA

Application
Designed for low mounting heights for interior and exterior locations, the shielded light distribution is ideal for the glare-free illumination of ground surfaces, building entrances, stairs, and footpaths.

Materials
Luminaire housing and faceplate constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
White safety glass
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 2.2 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	3.9 W
System wattage	6.0 W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	159 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 45° C	172,000 h (L70)

LED color temperature

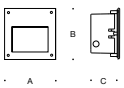
☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☐ 3000K - Product number + **K3 (*EXPRESS*)**
☐ 2700K - Product number + **K27**
☐ Amber - Product number + **AMB**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

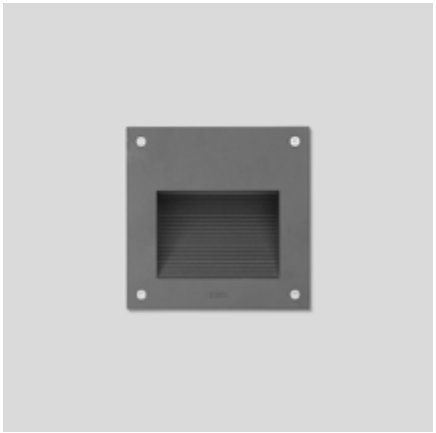
Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:
BEGA Product:
Project:
Modified:



LED recessed wall · shielded

		LED	A	B	C
22 272	ADA	3.9 W	5 7/8	5 7/8	4 1/8



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Updated 12/13/19

L-011-P

The L-011-P is a single, brass, projection fixture for landscape applications.

Construction All brass components. 0.140" [3.6mm] thick brass housing.

Lens Dual Convex Optical Glass

L-011-P 12 Volts, remote transformer required

MR16 Halogen GU5.3, 50 Watts max.
__ **FMV** 35 Watt 24° narrow flood
__ **EXZ** 50 Watt 24° narrow flood

MR16 LED Soraa chipset, GU5.3 Warm White (3000K)
__ **8W-NFL** 8 Watt 25° narrow flood

L-011-P-120V 120 Volts
L-011-P-230V 230 Volts

MR16 LED Soraa chipset, GU10 Warm White (3000K)
__ **8W-SP** 8 Watt 10° spot

L-011-P-MH-120V 120 Volts, Ceramic Metal Halide, remote ballast required
L-011-P-MH-230V 230 Volts

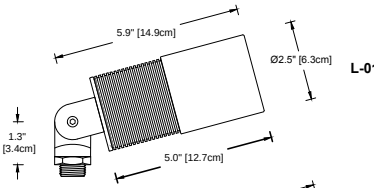
MR16 metal halide GX10 Warm White (3000K)
__ **MH20MR16SP** 20 Watt 12° spot
__ **MH39MR16SP** 39 Watt 12° spot

Optical Accessories
__ **BGS9** Brass glare shield, 45° cutoff

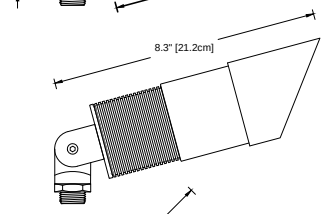
Metal gobos are 8 mil stainless steel, 51.5mm diameter, with high levels of nickel and chromium to provide long life and excellent image quality. Any gobo pattern, including custom designs, can be ordered with up to a 35mm diameter pattern area, though 29mm is recommended.

__ **AMPH** Amorphous
__ **EP** Egyptian Palms
__ **WP** Wild Palms
__ **CUSTOM** Consult sales rep for art specifications

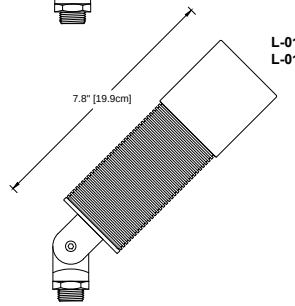
Mounting Accessories
1/2" male threads. Mounts into any standard j-box or:
__ **GS2** Heavy-duty ground spike
__ **GS2BC** Heavy-duty ground spike with cast brass cap
__ **GS4** *Standard ground spike with cast brass cap
__ **JB** Cast brass junction box
__ **SA** Sure Aim locking rotation accessory
__ **TDM1** *Brass tree/deck mount with stainless steel screws
__ **TDM2-__** *Brass tree mount with nylon strap (**48, 72,** or **96"**)
__ **TDM2SS-__** *Brass tree mount with stainless steel strap (**48, 72,** or **96"**)
__ **TDM3** *Brass low-profile deck/wall mount *(**SA** accessory recommended)*
__ **TDM4** *Brass low-profile tree mount with notch for wire *(**SA** accessory recommended)*
__ **TMJB-__** Brass tree-mounted junction box, single fixture mount, stainless steel strap (**48, 72,** or **96"**)
__ **TMJB2-__** Brass tree-mounted junction box, double fixture mount, stainless steel strap (**48, 72,** or **96"**)
__ **TMJBX** Brass tree-mounted junction box, single fixture mount, stainless steel screws
__ **TMJB2X** Brass tree-mounted junction box, double fixture mount, stainless steel screws
* This accessory for 12 Volt fixture only.



L-011-P



L-011-P with BGS9

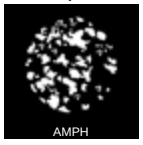


L-011-P-120V / -230V
L-011-P-MH-120V / -230V

Custom Example

Consult sales rep

Amorphous


AMPH

Wild Palms

WP

Egyptian Palms

EP

Finish: Unfinished is standard; no specification required. The fixture will weather to a natural patina. The patina process is natural with brass and copper. Rate of patina and eventual color is dependent upon climate and proximity to the ocean. Thus, Beachside does not guarantee any specific appearance.

IP 66
CSA Listed, file #190030
10 year fixture warranty
3 year warranty on MR16 LED lamps

MADE IN USA
Weight (12 Volt): 2.8 lbs. [1.3 kg]
(120 Volt & MH): 3.4 lbs. [1.5 kg]

Project _____ By _____ Date _____

For ordering purposes, please specify (example: **L-011-P-120V—8W-SP—EP—TMJB-72**)

L-011-P- _____ — _____ — _____ — _____
Fixture | Lamp | Gobo | Accessory

BEACHSIDE LIGHTING • 800-405-6732 • www.BeachsideLighting.com

May 2016

KLIK USA

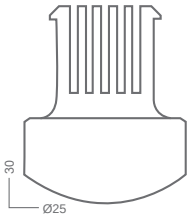
2840 N Brookfield Rd, Suite 3
Brookfield, WI 53045

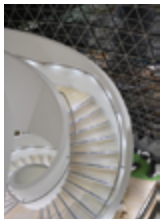
PH: 262.505.5124
FX: 262.753.6582

www.klikusa.com
sales@klikusa.com

Project Name:	Location:
Specifier:	Rep Agency:
Fixture Type:	Product Code:

KLIK LEDpod™ 40 Patented





Description

Discrete, seamless point source LED fixture for use in all code-compliant handrail, especially curving ramps and helical stairs as well as long runs on bridges and pedestrian paths. Asymmetric optic allows mounting at rail nadir, eliminating uncomfortable glare issues.

Housing

Clear anodized aluminum body as standard. Color-match anodized or bronze body as options, consult factory.

Aluminum body has a fine 25-micron finish and is then hard-coat anodized, thus preventing galvanic corrosion. Silicone gasket seals the installation from water ingress and provides added means of electrical isolation to minimize potential for galvanic reaction.

Mounting

Patented attachment method offers unparalleled security and ease of mounting. Requires only a simple drilled hole in railing material, eliminates threading, gluing or exposed fasteners common among other handrail fixtures. All conductors remain internal to railing to provide secure and safe wiring. IK10 Impact rating ensures vandal resistance. Tamperproof anti-theft option available for extreme environments; consult factory.

- Tube Size: Ø 1.5" - 1.75", Max. wall .2" *Other sizes available upon request*
- Cut Out: 25mm
- Weight: 0.16 LBS

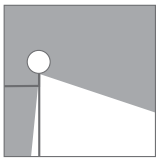
Electrical/LED Driver

- Input Voltage: 24 VDC
- Operating Temp: -40 to 120° F
- Efficiency: 88 lm/W
- Driver: Must use class 2 driver
  - Primary Driver: 110 - 277 VAC UL Listed Constant Voltage
  - Secondary Driver: 350 - 500mA Constant Current (provided with fixture)
- Control: DALI, 0-10V, DMX
  - DMX control for dimming only, not for individually addressed LEDpod
- Enclosure: Minimum NEMA 3R required
- Wire connectors provided; factory pre-wire available, consult factory

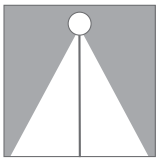
*Please note, all KLIK fixtures are now dimmable as standard

Listings

- ETL listed, UL 1598/CSA 22.2; CE
- cETL
- IP65 rated *All IP rated luminaires tested to AS60529-2004 Degrees of protection provided by enclosures (IP Code)*
- IK10 Impact Resistance
- Wet location rated



Asymmetric



Symmetric

Product Codes

Follow the steps to specify your fixture. Enter Product Code in field at top of page. Example: **LP4030KA40**

Fixture Type	Rail Size[1,2]	Color[3]	Distribution	Rail Wall Thickness[4]	Lens Option
LP LEDpod	**40** 1.50" Tube -or- 1.66" Pipe	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **AMB** Amber	**A** Asymmetric **S** Symmetric	**1512** 1.5" x 11ga Tube (.12 wall) **1513** 1.5" x 1/8 Wall Tube **05** Sch 5 Pipe **10** Sch 10 Pipe **40** Sch 40 Pipe **80** Sch 80 Pipe **CUST** Non-stock	Clear lens standard Add **FRS** for frosted diffused lens Add **OTK** for Optek-film diffused lens

1. Additional sizes are available as special order, contact factory for rail dimensions other than those shown on this sheet.
2. Bronze material requires a special clip, contact factory for more information.
3. Also available in blue (BLU), green (GRN), red (RED), and custom color temperature (as special order).
4. Wall thickness of 0.120" is common to steel & stainless; wall of 0.125" common to aluminum
5. *Additional charges and lead time apply for this feature.*
6. Tamper proof option offers additional protection in extreme environments. *Additional charges and lead time apply for this feature.* To specify; add "TP" to product code.
7. To Specify 1.5 Watt; add "0350" to product code.

October 30, 2020

Project
1950 Grand Avenue
El Segundo, CA

Luminaire Type
LX2

KLIKUSA
2840 N Brookfield Rd, Suite 3
Brookfield, WI 53045
PH: 262.505.5124
FX: 262.753.6582
www.klikusa.com
sales@klikusa.com

Project Name:	Location:
Specifier:	Rep Agency:
Fixture Type:	Product Code:

LED Performance

LED: Cree XT-E
CCT: 2700, 3000, 4000 *(others available)*
CRI: 80-85
Life: 80% at 50k hrs and 85° C
Binning: 3 MacAdam Steps
Warranty: 5 Year Warranty

Lumens/Fixture or Pod

STANDARD 2W/POD Transparent		SPECIAL ORDER 1.5W/POD Transparent*	
3000K	145	3000K	107
4000K	154	4000K	114
5000K	176	5000K	130

**Contact factory for 1.5W POD*

Optics				Reflector	
Beam Angle				Symmetrical	Asymmetrical
LOR defined by optics				76	74
lm	W	mA	V	System Lumens @4000K	
120	1.4	350	3	92	89
162	1.9	500	3	124	120

Remote Mounting Distance Chart

24 VDC 100W Driver	*Approximate Distance From Driver to First LED at 37 Fixtures*			
Wire Size	10 AWG	12 AWG	14 AWG	16 AWG
Distance	525'	328'	213'	131'

Calculations based on 2' centers between pods.
Increased spacing reduces number of pods per circuit.

Primary Driver	*Secondary LED Driver*	*Spacing*	*Maximum KLIK LEDpods™**
110 - 277 Primary Voltage Remotely Mounted Dimming Control 10" x 1.5" x 2"	500mA	24"	37
	350mA	24"	50

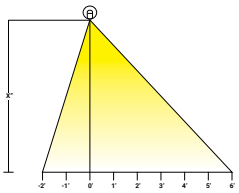
**Based on 16 AWG between LEDpods*

Accessories

LP100WPRITRNOND	Class 2 Driver, Non-Dimming, Input voltage = 120-277 VAC, Output voltage = 24 VDC, 5 year warranty
LP100WPRITRNDIM	Class 2 Driver, Dimming, Input voltage = 120-277 VAC, Output voltage = 24 VDC, 5 year warranty
LPNEMA3RENCL	NEMA 3R Drip Proof Enclosure, 4" x 4" x 18" (IP32 Equivalent)
LPNEMA4ENCL	NEMA 4 Watertight Enclosure, 14" x 8" x 6" (IP66 Equivalent)
LPNEMA6PENCL	NEMA 6P Submersible Enclosure 15" x 8" x 6" (IP67 Equivalent)

Additional driver & enclosure configurations available

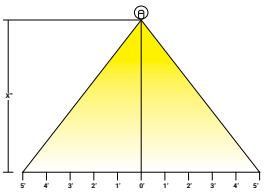
KLIK LEDpod™ Footcandle Chart



Asymmetric

X = Rail Height (34" Tall Handrail or 42" Tall Guardrail

Optic Height: 34" - 1.57" (Handrail Diameter) = 32.43" (2.7')
42" - 1.57" (Handrail Diameter) = 40.43" (3.37')



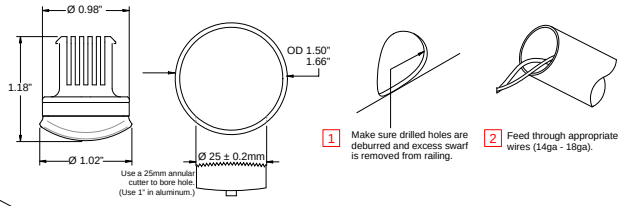
Symmetric

			2'	1'	0	1'	2'	3'	4'	5'	6'	7'
1.5 Watt	KLIK LEDpod™ 40 350mA Asymmetric	34" Tall Handrail	0.39	0.96	4.09	5.09	3.63	2.64	1.27	0.58	0.24	0.08
		42" Tall Handrail	0.36	0.86	2.63	3.29	2.73	2.03	1.47	0.81	0.43	0.22
	KLIK LEDpod™ 40 350mA Symmetric	34" Tall Handrail	2.74	5.22	6.00	5.22	2.74	0.91	0.15	0.05	0.02	0.01
		42" Tall Handrail	2.16	3.62	3.85	3.62	2.16	1.35	0.38	0.10	0.04	0.02
2 Watt	KLIK LEDpod™ 40 500mA Asymmetric	34" Tall Handrail	0.53	1.29	5.53	6.87	4.90	3.57	1.72	0.78	0.33	0.11
		42" Tall Handrail	0.48	1.17	3.55	4.44	3.68	2.75	1.98	1.10	0.58	0.30
	KLIK LEDpod™ 40 500mA Symmetric	34" Tall Handrail	3.70	7.05	8.11	7.05	3.70	1.23	0.20	0.07	0.03	0.01
		42" Tall Handrail	2.92	4.90	5.20	4.90	2.92	1.83	0.52	0.13	0.05	0.02

KLIK USA
2840 N Brookfield Rd, Suite 3
Brookfield, WI 53045
PH: 262.505.5124
FX: 262.753.6582
www.klikusa.com
sales@klikusa.com

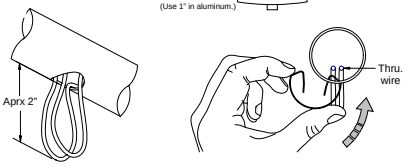
Project Name:	Location:
Specifier:	Rep Agency:
Fixture Type:	Product Code:

Installation Instructions *Additional instructions may apply, consult factory.*



1 Make sure drilled holes are deburred and excess swarf is removed from railing.

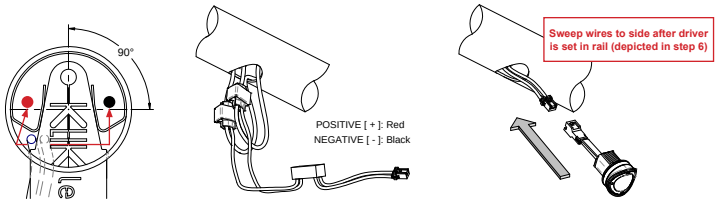
2 Feed through appropriate wires (14ga - 18ga).



3 Pull a loop of wire through hole.

4 Rotate retaining clips in as shown. Avoid tangling or severing through wire.

5 Apply pressure as shown to deform clip into place in a circular motion. Avoid damaging the surface of tube and tangling or severing through wire.

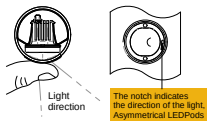


6 Fit clip into place until the clamping ends are equally centered over the hole. Use the tool to center the clip until equal pressure can be felt and inspect by eye.

7 Install Scotchlok connectors to the red and black wires. Connect the corresponding color wires of the driver to the Scotchloks and assure the clip is secured.

8 CAREFULLY feed the Scotchloks to the left of the clip and the driver to the right with the driver connector hanging out. Ensure wires are clear from where the LEDPOD is to fit.

Proceed to connect the LEDPOD.



9 Push LEDPOD in until it snaps into place and the outer surface is flush with the outer surface of the tube.

Prod the rim of the clear silicone IP Seal to provide a tighter fit.

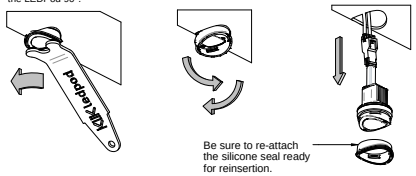
LEDPOD Removal Steps

1 Insert removal tool into the 2mm holes in the LEDPOD.

With firm pressure, rotate the LEDPod 90°.

2 Carefully peel back the IP silicone seal one side at a time.

3 Carefully remove the LEDPOD from the clip, ensuring not to damage or disconnect wires in the process.



Be sure to re-attach the silicone seal ready for reinsertion.

32863-C-4

Michael Baker
INTERNATIONAL

Appendix C
Air Quality and Greenhouse Gases Assessment

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AIR QUALITY, ENERGY, AND GREENHOUSE GAS EMISSIONS IMPACT ANALYSIS

1950-1960 EAST GRAND AVENUE PROJECT

CITY OF EL SEGUNDO

Lead Agency:

City of El Segundo
Planning and Building Safety Department
350 Main Street
El Segundo, CA 90245

Prepared by:

Vista Environmental
1021 Didrickson Way
Laguna Beach, CA 92651
949 510 5355
Greg Tonkovich, AICP

Project No. 21034

March 20, 2022

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ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
Air Basin	South Coast Air Basin
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BSFC	Brake Specific Fuel Consumption
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFCs	chlorofluorocarbons
Cf_4	tetrafluoromethane
C_2F_6	hexafluoroethane
C_2H_6	ethane
CH_4	Methane
City	City of El Segundo
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
DPM	Diesel particulate matter
EPA	Environmental Protection Agency
EV	Electric vehicles
ºF	Fahrenheit
FTIP	Federal Transportation Improvement Program
GHG	Greenhouse gas
GWP	Global warming potential
HAP	Hazardous Air Pollutants
HFCs	Hydrofluorocarbons
IPCC	International Panel on Climate Change

kWhr	kilowatt-hour
LCFS	Low Carbon Fuel Standard
LST	Localized Significant Thresholds
MATES	Multiple Air Toxics Exposure Study
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
MPO	Metropolitan Planning Organization
MWh	Megawatt-hour
NAAQS	National Ambient Air Quality Standards
NEV	Neighborhood electric vehicles
NO_x	Nitrogen oxides
NO_2	Nitrogen dioxide
O_3	Ozone
OPR	Office of Planning and Research
Pfc	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PPM	Parts per million
PPB	Parts per billion
PPT	Parts per trillion
RTIP	Regional Transportation Improvement Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
SF_6	Sulfur Hexafluoride
SIP	State Implementation Plan
SO_x	Sulfur oxides
TAC	Toxic air contaminants
UNFCCC	United Nations' Framework Convention on Climate Change
VOC	Volatile organic compounds

1.0 INTRODUCTION

1.1 Purpose of Analysis and Study Objectives

This Air Quality, Energy, and Greenhouse Gas (GHG) Emissions Impact Analysis has been completed to determine the air quality, energy, and GHG emissions impacts associated with the proposed 1950-1960 East Grand Avenue Project (proposed project). The following is provided in this report:

- A description of the proposed project;
- A description of the atmospheric setting;
- A description of the criteria pollutants and GHGs;
- A description of the air quality regulatory framework;
- A description of the energy conservation regulatory framework;
- A description of the GHG emissions regulatory framework;
- A description of the air quality, energy, and GHG emissions thresholds including the California Environmental Quality Act (CEQA) significance thresholds;
- An analysis of the conformity of the proposed project with the South Coast Air Quality Management District (SCAQMD) Air Quality Management Plan (AQMP);
- An analysis of the short-term construction related and long-term operational air quality, energy, and GHG emissions impacts; and
- An analysis of the conformity of the proposed project with all applicable energy and GHG emissions reduction plans and policies.

1.2 Site Location and Study Area

The project site is located in the City of El Segundo (City) and consists of two (2) parcels of land (1950 East Grand Avenue and 1960 E Grand Avenue; collectively, the "project site"). 1950 East Grand Avenue is 2.685 acres and currently contains an 11-level 819 parking space parking structure at the rear of the property. 1960 East Grand Avenue is 2.685 acres and currently contains a 12-story office building near the front of the property. The 5.37 acre total project site is bounded by Grand Avenue and office buildings to the north, office buildings to the east, a hotel and surface parking lot to the south, and a parking structure to the west. The project local study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site are guests at the hotel located as near as 10 feet south of the project site. The nearest residents are at the multifamily homes at the northwest corner of Holly Avenue and Indiana Street that are located as near as 1,150 feet northwest of the project site. The nearest school is El Segundo Middle School that is located as near as a half mile west of the project site.

1.3 Proposed Project Description

A summary of the development proposed as part of the proposed project is detailed below and the proposed project site plan is shown in Figure 2.

1) On 1950 East Grand Avenue: Demolition of an existing 79-space surface parking lot and a row of 8 angled parking spaces located at the front of 1950 East Grand Avenue. Construction of a 4-story 93,559 net square foot office building with a mezzanine level that would contain a lobby area, a café/deli and two tenant spaces. On the west side of the new office building there will be an outdoor patio area and a truck loading area with two small truck loading spaces. A new backup diesel generator would be located on the north side of the existing parking structure and a new 23-space surface parking lot would be constructed on the east side of the existing parking structure in the rear of the lot.

2) On 1960 East Grand Avenue: Demolition of a passive open space area that currently contains walkways, with a few tables and benches. Construction of a 4-level 258 space parking structure.

3) Between the existing 12-story office building at 1960 East Grand Avenue and the new office building at 1950 East Grand Avenue: Construction of a large outdoor landscaped plaza with outdoor seating, and two outdoor firepits adjacent to the seating areas in order to provide a cohesive pedestrian-oriented office campus. A new fire lane will be constructed on the south side of the existing and new office buildings and will run from the driveway on the west side to the driveway on the east side of the project site.

1.4 Executive Summary

Standard Air Quality, Energy, and GHG Regulatory Conditions

The proposed project will be required to comply with the following regulatory conditions from the SCAQMD and State of California (State).

South Coast Air Quality Management District Rules

The following lists the SCAQMD rules that are applicable, but not limited to the proposed project.

- Rule 402 Nuisance – Controls the emissions of odors and other air contaminants;
- Rule 403 Fugitive Dust – Controls the emissions of fugitive dust;
- Rule 445 Wood Burning Devices – Controls the emissions from fire places and fire pits;
- Rules 1108 and 1108.1 Cutback and Emulsified Asphalt – Controls the VOC content in asphalt;
- Rule 1113 Architectural Coatings – Controls the VOC content in paints and solvents; and
- Rule 1143 Paint Thinners – Controls the VOC content in paint thinners.

State of California Rules

The following lists the State of California Code of Regulations (CCR) air quality emission rules that are applicable, but not limited to the proposed project.

- CCR Title 13, Article 4.8, Chapter 9, Section 2449 – In use Off-Road Diesel Vehicles;
- CCR Title 13, Section 2025 – On-Road Diesel Truck Fleets;
- CCR Title 24 Part 6 – California Building Energy Standards; and
- CCR Title 24 Part 11 – California Green Building Standards.

Summary of Analysis Results

The following is a summary of the proposed project's impacts with regard to the State CEQA Guidelines air quality, energy, and GHG emissions checklist questions.

Conflict with or obstruct implementation of the applicable air quality plan?

Less than significant impact.

Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?

Less than significant impact.

Expose sensitive receptors to substantial pollutant concentrations?

Less than significant impact.

Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than significant impact.

Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation;

Less than significant impact.

Conflict with or obstruct a state or local plan for renewable energy;

Less than significant impact.

Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?

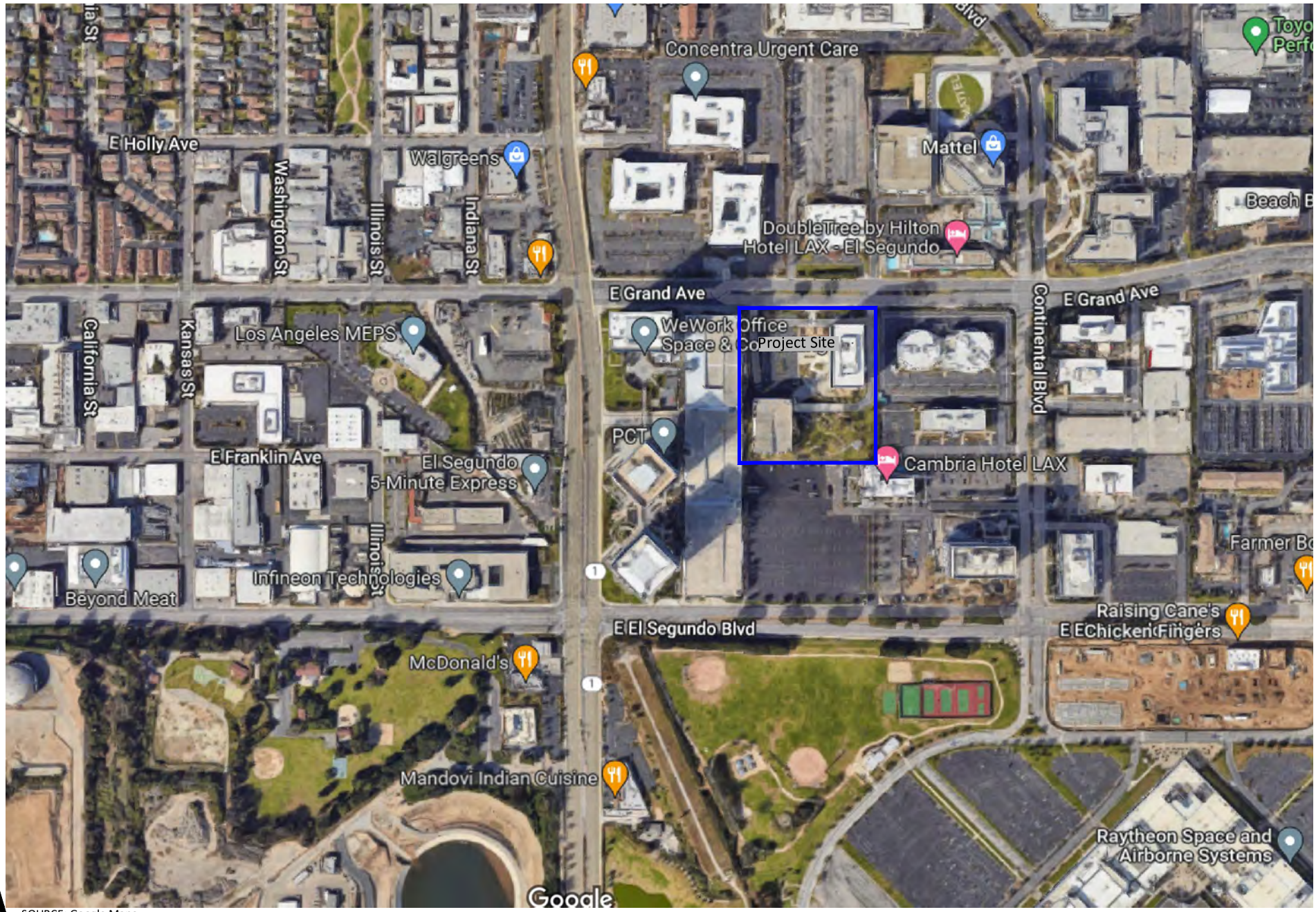
Less than significant impact.

Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs?

Less than significant impact.

1.5 Mitigation Measures for the Proposed Project

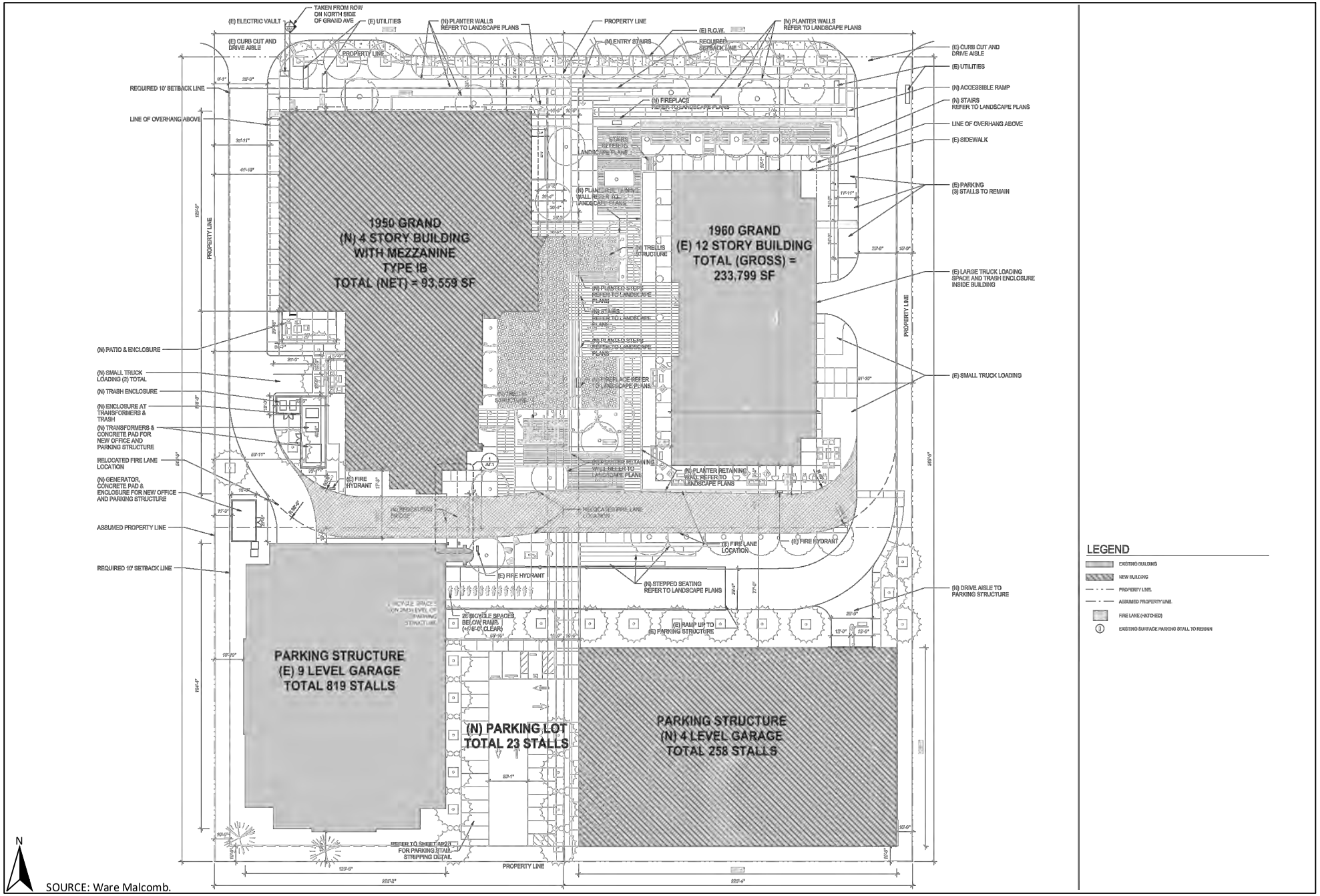
This analysis found that implementation of the State and SCAQMD air quality, energy, and GHG emissions reductions regulations were adequate to limit criteria pollutants, toxic air contaminants, odors, and GHG emissions from the proposed project to less than significant levels. No mitigation measures are required for the proposed project with respect to air quality, energy, and GHG emissions.



SOURCE: Google Maps.

VISTA ENVIRONMENTAL

Figure 1
Project Local Study Area



SOURCE: Ware Malcomb.

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 AIR POLLUTANTS

Air pollutants are generally classified as either criteria pollutants or non-criteria pollutants. Federal ambient air quality standards have been established for criteria pollutants, whereas no ambient standards have been established for non-criteria pollutants. For some criteria pollutants, separate standards have been set for different periods. Most standards have been set to protect public health. For some pollutants, standards have been based on other values (such as protection of crops, protection of materials, or avoidance of nuisance conditions). A summary of federal and state ambient air quality standards is provided in the Regulatory Framework section.

2.1 Criteria Pollutants and Ozone Precursors

The criteria pollutants consist of: ozone, nitrogen oxides (NOx), CO, sulfur oxides (SOx), lead, and particulate matter (PM). The ozone precursors consist of NOx and VOC. These pollutants can harm your health and the environment, and cause property damage. The Environmental Protection Agency (EPA) calls these pollutants "criteria" air pollutants because it regulates them by developing human health-based and/or environmentally-based criteria for setting permissible levels. The following provides descriptions of each of the criteria pollutants and ozone precursors.

Nitrogen Oxides

NOx is the generic term for a group of highly reactive gases which contain nitrogen and oxygen. While most NOx are colorless and odorless, concentrations of NO_2 can often be seen as a reddish-brown layer over many urban areas. NOx form when fuel is burned at high temperatures, as in a combustion process. The primary manmade sources of NOx are motor vehicles, electric utilities, and other industrial, commercial, and residential sources that burn fuel. NOx reacts with other pollutants to form, ground-level ozone, nitrate particles, acid aerosols, as well as NO_2, which cause respiratory problems. NOx and the pollutants formed from NOx can be transported over long distances, following the patterns of prevailing winds. Therefore, controlling NOx is often most effective if done from a regional perspective, rather than focusing on the nearest sources.

Ozone

Ozone is not usually emitted directly into the air but in the vicinity of ground-level is created by a chemical reaction between NOx and VOC in the presence of sunlight. Motor vehicle exhaust, industrial emissions, gasoline vapors, chemical solvents as well as natural sources emit NOx and VOC that help form ozone. Ground-level ozone is the primary constituent of smog. Sunlight and hot weather cause ground-level ozone to form with the greatest concentrations usually occurring downwind from urban areas. Ozone is subsequently considered a regional pollutant. Ground-level ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and can cause substantial damage to vegetation and other materials. Because NOx and VOC are ozone precursors, the health effects associated with ozone are also indirect health effects associated with significant levels of NOx and VOC emissions.

Carbon Monoxide

CO is a colorless, odorless gas that is formed when carbon in fuel is not burned completely. It is a component of motor vehicle exhaust, which contributes approximately 56 percent of all CO emissions nationwide. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Other sources of CO emissions include industrial processes (such as metals processing and chemical manufacturing), residential wood burning, and natural sources such as forest fires. Woodstoves, gas

stoves, cigarette smoke, and unvented gas and kerosene space heaters are indoor sources of CO. The highest levels of CO in the outside air typically occur during the colder months of the year when inversion conditions are more frequent. The air pollution becomes trapped near the ground beneath a layer of warm air. CO is described as having only a local influence because it dissipates quickly. Since CO concentrations are strongly associated with motor vehicle emissions, high CO concentrations generally occur in the immediate vicinity of roadways with high traffic volumes and traffic congestion, active parking lots, and in automobile tunnels. Areas adjacent to heavily traveled and congested intersections are particularly susceptible to high CO concentrations.

CO is a public health concern because it combines readily with hemoglobin and thus reduces the amount of oxygen transported in the bloodstream. The health threat from lower levels of CO is most serious for those who suffer from heart disease such as angina, clogged arteries, or congestive heart failure. For a person with heart disease, a single exposure to CO at low levels may cause chest pain and reduce that person's ability to exercise; repeated exposures may contribute to other cardiovascular effects. High levels of CO can affect even healthy people. People who breathe high levels of CO can develop vision problems, reduced ability to work or learn, reduced manual dexterity, and difficulty performing complex tasks. At extremely high levels, CO is poisonous and can cause death.

Sulfur Oxides

SOx gases are formed when fuel containing sulfur, such as coal and oil is burned, as well as from the refining of gasoline. SOx dissolves easily in water vapor to form acid and interacts with other gases and particles in the air to form sulfates and other products that can be harmful to people and the environment.

Lead

Lead is a metal found naturally in the environment as well as manufactured products. The major sources of lead emissions have historically been motor vehicles and industrial sources. Due to the phase out of leaded gasoline, metal processing is now the primary source of lead emissions to the air. High levels of lead in the air are typically only found near lead smelters, waste incinerators, utilities, and lead-acid battery manufacturers. Exposure of fetuses, infants and children to low levels of lead can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased lead levels are associated with increased blood pressure.

Particulate Matter

PM is the term for a mixture of solid particles and liquid droplets found in the air. PM is made up of a number of components including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. Particles that are less than 10 micrometers in diameter (PM10) that are also known as *Respirable Particulate Matter* are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. Particles that are less than 2.5 micrometers in diameter (PM2.5) that are also known as *Fine Particulate Matter* have been designated as a subset of PM10 due to their increased negative health impacts and its ability to remain suspended in the air longer and travel further.

Volatile Organic Compounds

Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also

referred to as reactive organic gases [ROG]). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

VOC is not classified as a criteria pollutant, since VOCs by themselves are not a known source of adverse health effects. The primary health effects of VOCs result from the formation of ozone and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered toxic air contaminants (TACs). There are no separate health standards for VOCs as a group.

2.2 Other Pollutants of Concern

Toxic Air Contaminants

In addition to the above-listed criteria pollutants, TACs are another group of pollutants of concern. Under separate cover, we have prepared a health risk assessment, analyzing the potential health risks from nearby diesel emissions to the future residents that would live at the Project. TACs is a term that is defined under the California Clean Air Act and consists of the same substances that are defined as Hazardous Air Pollutants (HAPs) in the Federal Clean Air Act. There are over 700 hundred different types of TACs with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least 40 different toxic air contaminants. The most important of these TACs, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Public exposure to TACs can result from emissions from normal operations as well as from accidental releases. Health effects of TACs include cancer, birth defects, neurological damage, and death.

TACs are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of TACs with varying degrees of toxicity. Sources of TACs include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to *The California Almanac of Emissions and Air Quality 2013 Edition*, the majority of the estimated health risk from TACs can be attributed to relatively few compounds, the most important of which is DPM. DPM is a subset of PM2.5 because the size of diesel particles are typically 2.5 microns and smaller. The identification of DPM as a TAC in 1998 led the CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in DPM by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot." Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of DPM as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to DPM is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

Asbestos

Asbestos is listed as a TAC by CARB and as a HAP by the EPA. Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. The nearest likely locations of naturally occurring asbestos, as identified in the *General Location Guide for Ultramafic Rocks in California*, prepared by the California Division of Mines and Geology, is located in Santa Barbara County. The nearest historic asbestos mine to the project site, as identified in the *Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California,* prepared by U.S. Geological Survey, is located at Asbestos Mountain, which is approximately 110 miles east of the project site in the San Jacinto Mountains. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos.

In addition to naturally occurring asbestos, asbestos was used extensively in building construction from the early 1940s through the 1970s as highly-effective and inexpensive fire-retardant material and thermal and acoustic insulator. Asbestos is most commonly found as thermal insulation on pipes, but also may be found in certain types of floor and ceiling tiles. There are two types of asbestos: “friable” and "non-friable.” Friable asbestos generally contains more than 1 percent asbestos by weight or area, and can be crumbled, pulverized, or reduced to powder by the pressure of an ordinary human hand, which releases fibers. Non friable asbestos generally contains more than 1 percent asbestos but cannot be pulverized under hand pressure and generally does not release asbestos fibers. It should be noted that the existing buildings on the project site were constructed between 1986 and 1987, when no asbestos was allowed in building materials.

3.0 GREENHOUSE GASES

3.1 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHGs), play a critical role in the Earth's radiation amount by trapping infrared radiation from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Emissions of CO_2 and N_2O are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. The following provides a description of each of the greenhouse gases and their global warming potential.

Water Vapor

Water vapor is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to "hold" more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a "positive feedback loop." The extent to which this positive feedback loop will continue is unknown as there is also dynamics that put the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually also condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the Earth's surface and heat it up).

Carbon Dioxide

The natural production and absorption of CO_2 is achieved through the terrestrial biosphere and the ocean. However, humankind has altered the natural carbon cycle by burning coal, oil, natural gas, and wood. Since the industrial revolution began in the mid 1700s, each of these activities has increased in scale and distribution. CO_2 was the first GHG demonstrated to be increasing in atmospheric concentration with the first conclusive measurements being made in the last half of the 20th century. Prior to the industrial revolution, concentrations were fairly stable at 280 parts per million (ppm). The International Panel on Climate Change (IPCC) indicates that concentrations were 379 ppm in 2005, an increase of more than 30 percent. Left unchecked, the IPCC projects that concentration of carbon dioxide in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources. This

could result in an average global temperature rise of at least two degrees Celsius or 3.6 degrees Fahrenheit.

Methane

CH_4 is an extremely effective absorber of radiation, although its atmospheric concentration is less than that of CO_2. Its lifetime in the atmosphere is brief (10 to 12 years), compared to some other GHGs (such as CO_2, N_2O, and CFCs). CH_4 has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other anthropocentric sources include fossil-fuel combustion and biomass burning.

Nitrous Oxide

Concentrations of N_2O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration of this GHG was documented at 314 parts per billion (ppb). N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. N_2O is also commonly used as an aerosol spray propellant (i.e., in whipped cream bottles, in potato chip bags to keep chips fresh, and in rocket engines and race cars).

Chlorofluorocarbons

CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source, but were first synthesized in 1928. They were used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

Hydrofluorocarbons

HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF_3), HFC-134a (CF_3CH_2F), and HFC-152a (CH_3CHF_2). Prior to 1990, the only significant emissions were HFC-23. HFC-134a use is increasing due to its use as a refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade for applications such as automobile air conditioners and refrigerants.

Perfluorocarbons

Perfluorocarbons (PFCs) have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6).

Concentrations of CF_4 in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.

Sulfur Hexafluoride

Sulfur Hexafluoride (SF_6) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. SF_6 has the highest global warming potential of any gas evaluated; 23,900 times that of CO_2. Concentrations in the 1990s were about 4 ppt. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Aerosols

Aerosols are particles emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light. Cloud formation can also be affected by aerosols. Sulfate aerosols are emitted when fuel containing sulfur is burned. Black carbon (or soot) is emitted during biomass burning due to the incomplete combustion of fossil fuels. Particulate matter regulation has been lowering aerosol concentrations in the United States; however, global concentrations are likely increasing.

3.2 Global Warming Potential

GHGs have varying global warming potential (GWP). The GWP is the potential of a gas or aerosol to trap heat in the atmosphere; it is the cumulative radiative forcing effects of a gas over a specified time horizon resulting from the emission of a unit mass of gas relative to the reference gas, CO_2. The GHGs listed by the IPCC and the CEQA Guidelines are discussed in this section in order of abundance in the atmosphere. Water vapor, the most abundant GHG, is not included in this list because its natural concentrations and fluctuations far outweigh its anthropogenic (human-made) sources. To simplify reporting and analysis, GHGs are commonly defined in terms of their GWP. The IPCC defines the GWP of various GHG emissions on a normalized scale that recasts all GHG emissions in terms of CO_2e. As such, the GWP of CO_2 is equal to 1. The GWP values used in this analysis are based on the 2007 IPCC Fourth Assessment Report, which are used in CARB's 2014 Scoping Plan Update and the CalEEMod Model Version 2020.4.0 and are detailed in Table A. The IPCC has updated the Global Warming Potentials of some gases in their Fifth Assessment Report, however the new values have not yet been incorporated into the CalEEMod model that has been utilized in this analysis.

Table A – Global Warming Potentials, Atmospheric Lifetimes and Abundances of GHGs

Gas	Atmospheric Lifetime (years)[1]	Global Warming Potential (100 Year Horizon)[2]	Atmospheric Abundance
Carbon Dioxide (CO_2)	50-200	1	379 ppm
Methane (CH_4)	9-15	25	1,774 ppb
Nitrous Oxide (N_2O)	114	298	319 ppb
HFC-23	270	14,800	18 ppt
HFC-134a	14	1,430	35 ppt
HFC-152a	1.4	124	3.9 ppt
PFC: Tetrafluoromethane (CF_4)	50,000	7,390	74 ppt
PFC: Hexafluoroethane (C_2F_6)	10,000	12,200	2.9 ppt
Sulfur Hexafluoride (SF_6)	3,200	22,800	5.6 ppt

Notes:

[1] Defined as the half-life of the gas.
[2] Compared to the same quantity of CO_2 emissions and is based on the Intergovernmental Panel On Climate Change (IPCC) 2007 standard, which is utilized in CalEEMod (Version 2020.4.0),that is used in this report (CalEEMod User Guide, 2021).
Definitions: ppm = parts per million; ppb = parts per billion; ppt = parts per trillion
Source: IPCC 2007, EPA 2015

3.3 Greenhouse Gas Emissions Inventory

According to https://cdiac.ess-dive.lbl.gov/trends/emis/tre_glob_2014.html 9,855 million metric tons (MMT) of CO_2 equivalent (CO_2e) emissions were created globally in the year 2014. According to https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data the breakdown of global GHG emissions by sector consists of: 25 percent from electricity and heat production; 21 percent from industry; 24 percent from agriculture, forestry and other land use activities; 14 percent from transportation; 6 percent from building energy use; and 10 percent from all other sources of energy use.

According to *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2019,* prepared by EPA, in 2019 total U.S. GHG emissions were 6,558 million metric tons (MMT) of CO_2e emissions. Total U.S. emissions have increased by 4 percent between 1990 and 2016 and GHG emissions decreased by 13 percent between 2005 and 2019. The recent decrease in GHG emissions was a result of multiple factors, including population, economic growth, energy markets, and technological changes the include energy efficiency and energy fuel choices. Between 2018 and 2019, GHG emissions decreased by almost 2 percent due to multiple factors, including a one percent decrease in total energy use.

According to *California Greenhouse Gas Emissions for 2000 to 2019 Trends of Emissions and Other Indicators*, prepared by CARB, July 28, 2021, the State of California created 418.2 million metric tons of carbon dioxide equivalent ($MMTCO_2e$) in 2019. The 2019 emissions were 7.2 $MMTCO_2e$ lower than 2018 levels and almost 13 $MMTCO_2e$ below the State adopted year 2020 GHG limit of 431 $MMTCO_2e$. The breakdown of California GHG emissions by sector consists of: 39.7 percent from transportation; 21.1 percent from industrial; 14.1 percent from electricity generation; 7.6 percent from agriculture; 10.5 percent from residential and commercial buildings; 4.9 percent from high global warming potential sources, and 2.1 percent from waste.

4.0 AIR QUALITY MANAGEMENT

The air quality at the project site is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to improve air quality through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for improving the air quality are discussed below.

4.1 Federal – United States Environmental Protection Agency

The Clean Air Act, first passed in 1963 with major amendments in 1970, 1977 and 1990, is the overarching legislation covering regulation of air pollution in the United States. The Clean Air Act has established the mandate for requiring regulation of both mobile and stationary sources of air pollution at the state and federal level. The Environmental Protection Agency (EPA) was created in 1970 in order to consolidate research, monitoring, standard-setting and enforcement authority into a single agency.

The EPA is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. NAAQS pollutants were identified using medical evidence and are shown below in Table B.

Table B – State and Federal Criteria Pollutant Standards

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O_3)	0.09 ppm / 1-hour 0.07 ppm / 8-hour	0.070 ppm, / 8-hour	(a) Pulmonary function decrements and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm / 1-hour 9.0 ppm / 8-hour	35.0 ppm / 1-hour 9.0 ppm / 8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO_2)	0.18 ppm / 1-hour 0.030 ppm / annual	100 ppb / 1-hour 0.053 ppm / annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO_2)	0.25 ppm / 1-hour 0.04 ppm / 24-hour	75 ppb / 1-hour 0.14 ppm/annual	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM_{10})	50 µg/m^3 / 24-hour 20 µg/m^3 / annual	150 µg/m^3 / 24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; and (c) Increased risk of premature death from heart or lung diseases in elderly.

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Suspended Particulate Matter ($PM_{2.5}$)	12 µg/m^3 / annual	35 µg/m^3 / 24-hour 12 µg/m^3 / annual	
Sulfates	25 µg/m^3 / 24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; and (f) Property damage.
Lead	1.5 µg/m^3 / 30-day	0.15 µg/m^3 /3-month rolling	(a) Learning disabilities; and (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer - visibility of ten miles or more due to particles when relative humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

Source: http://www.arb.ca.gov/research/aaqs/aaqs2.pdf .

As part of its enforcement responsibilities, the EPA requires each state with federal nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the national standards. The SIP must integrate federal, state, and local components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs within the timeframe identified in the SIP. The CARB defines attainment as the category given to an area with no violations in the past three years. As indicated below in Table C, the Air Basin has been designated by EPA for the national standards as a non-attainment area for ozone and PM2.5 and partial non-attainment for lead. Currently, the Air Basin is in attainment with the national ambient air quality standards for CO, PM10, SO_2, and NO_2.

Table C – South Coast Air Basin Attainment Status

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
1-Hour Ozone	NAAQS	1979 1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 (revised deadline)
	CAAQS	1-Hour (0.09 ppm)	Nonattainment	N/A
8-Hour Ozone	NAAQS	1997 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	NAAQS	2008 8-Hour (0.075 ppm)	Nonattainment (Extreme)	7/20/2032
	NAAQS	2015 8-Hour (0.070 ppm)	Nonattainment (Extreme)	8/3/2038
	CAAQS	8-Hour (0.070 ppm)	Nonattainment	Beyond 2032
CO	NAAQS	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (attained)
	CAAQS	1-Hour (20 ppm) 8-Hour (9 ppm)	Attainment	6/11/2007 (attained)
NO_2	NAAQS	2010 1-Hour (0.10 ppm)	Unclassifiable/ Attainment	N/A (attained)

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
	NAAQS	1971 Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (attained)
	CAAQS	1-Hour (0.18 ppm) Annual (0.030 ppm)	Attainment	---
SO_2	NAAQS	1-Hour (75 ppb)	Designations Pending (expect Unclassifiable/ Attainment)	N/A (attained)
	NAAQS	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (attained)
PM10	NAAQS	1987 24-hour (150 µg/m^3)	Attainment (Maintenance)	7/26/2013 (attained)
	CAAQS	24-hour (50 µg/m^3) Annual (20 µg/m^3)	Nonattainment	N/A
PM2.5	NAAQS	2006 24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019
	NAAQS	1997 Annual (15.0 µg/m^3)	Attainment	8/24/2016
	NAAQS	2012 Annual (12.0 µg/m^3)	Nonattainment (Serious)	12/31/2025
	CAAQS	Annual (12.0 µg/m^3)	Nonattainment	N/A
Lead	NAAQS	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)	12/31/2015
Hydrogen Sulfide (H_2S)	CAAQS	1-Hour (0.03 ppm or 42 µg/m^3)	Attainment	---
Sulfates	CAAQS	24-Hour (25 µg/m^3)	Attainment	---
Vinyl Chloride	CAAQS	24-Hour (0.01 ppm or 26 µg/m^3)	Attainment	---

Source: SCAQMD (http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=14)

In 2015, one or more stations in the Air Basin exceeded the most current federal standards on a total of 146 days (40 percent of the year), including: 8-hour ozone (113 days over 2015 ozone NAAQS), 24-hour PM2.5 (30 days, including near-road sites; 25 days for ambient sites only), PM10 (2 days), and NO_2 (1 day). Despite substantial improvement in air quality over the past few decades, some air monitoring stations in the Air Basin still exceed the NAAQS for ozone more frequently than any other area in the United States. Seven of the top 10 stations in the nation most frequently exceeding the 2015 8-hour ozone NAAQS in 2015 were located within the Air Basin, including stations in San Bernardino, Riverside, and Los Angeles Counties (SCAQMD, 2016).

PM2.5 levels in the Air Basin have improved significantly in recent years. By 2013 and again in 2014 and 2015, there were no stations measuring PM2.5 in the Air Basin that violated the former 1997 annual PM2.5 NAAQS (15.0 µg/m^3) for the 3-year design value period. On July 25, 2016 the EPA finalized a determination that the Basin attained the 1997 annual (15.0 µg/m^3) and 24-hour PM2.5 (65 µg/m^3) NAAQS, effective August 24, 2016. Of the 17 federal PM2.5 monitors at ambient stations in the Air Basin for the 2013-2015 period, five stations had design values over the current 2012 annual PM2.5 NAAQS (12.0 µg/m^3), including: Mira Loma (Air Basin maximum at 14.1 µg/m^3), Rubidoux, Fontana, Ontario, Central Los Angeles, and Compton. For the 24-hour PM2.5 NAAQS (35.0 µg/m^3) there were 14 stations in the Air Basin in 2015 that had one or more daily exceedances of the standard, with a combined total of 25 days over that standard in the Air Basin. While it was previously anticipated that the Air Basin's 24-hour PM2.5 NAAQS would be attained by 2015, this did not occur based on the data for 2013 through

2015. The higher number of days exceeding the 24-hour PM2.5 NAAQS over what was expected is largely attributed to the severe drought conditions over this period that allowed for more stagnant conditions in the Air Basin with multi-day buildups of higher PM2.5 concentrations. This was caused by the lack of storm-related dispersion and rain-out of PM and its precursors (SCAQMD, 2016).

The Air Basin is currently in attainment for the federal standards for SO_2, CO, NO_2, and PM10. While the concentration level of the 1-hour NO_2 federal standard (100 ppb) was exceeded in the Air Basin for one day in 2015 (Long Beach- Hudson Station), the NAAQS NO_2 design value has not been exceeded. Therefore, the Air Basin remains in attainment of the NO_2 NAAQS (SCAQMD, 2016).

4.2 State – California Air Resources Board

The California Air Resources Board (CARB), which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the SIP. The CAAQS for criteria pollutants are shown above in Table B. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g. hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

The Air Basin has been designated by the CARB as a non-attainment area for ozone, PM10 and PM2.5. Currently, the Air Basin is in attainment with the ambient air quality standards for CO, NO_2, SO_2, lead, and sulfates and is unclassified for visibility reducing particles and Hydrogen Sulfide.

The following lists the State of California Code of Regulations (CCR) air quality emission rules that are applicable, but not limited to all school projects in the State.

Assembly Bill 2588

The Air Toxics "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588, 1987, Connelly) was enacted in 1987 as a means to establish a formal air toxics emission inventory risk quantification program. AB 2588, as amended, establishes a process that requires stationary sources to report the type and quantities of certain substances their facilities routinely release in California. The data is ranked by high, intermediate, and low categories, which are determined by: the potency, toxicity, quantity, volume, and proximity of the facility to nearby receptors.

CARB Regulation for In-Use Off-Road Diesel Vehicles

On July 26, 2007, the California Air Resources Board (CARB) adopted California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 to reduce diesel particulate matter (DPM) and NOx emissions from in-use off-road heavy-duty diesel vehicles in California. Such vehicles are used in construction, mining, and industrial operations. The regulation limits idling to no more than five consecutive minutes, requires reporting and labeling, and requires disclosure of the regulation upon vehicle sale. Performance requirements of the rule are based on a fleet's average NOx emissions, which can be met by replacing older vehicles with newer, cleaner vehicles or by applying exhaust retrofits. The regulation was amended in 2010 to delay the original timeline of the performance requirement making the first compliance deadline January 1, 2014 for large fleets (over 5,000 horsepower), 2017 for medium fleets (2,501-5,000 horsepower), and 2019 for small fleets (2,500 horsepower or less). Currently, no commercial operation in California may add any equipment to their fleet that has a Tier 0 or Tier 1 engine. By January 1, 2018

medium and large fleets will be restricted from adding Tier 2 engines to their fleets and by January 2023, no commercial operation will be allowed to add Tier 2 engines to their fleets. It should be noted that commercial fleets may continue to use their existing Tier 0 and 1 equipment, if they can demonstrate that the average emissions from their entire fleet emissions meet the NOx emissions targets.

CARB Resolution 08-43 for On-Road Diesel Truck Fleets

On December 12, 2008 the CARB adopted Resolution 08-43, which limits NOx, PM10 and PM2.5 emissions from on-road diesel truck fleets that operate in California. On October 12, 2009 Executive Order R-09-010 was adopted that codified Resolution 08-43 into Section 2025, title 13 of the California Code of Regulations. This regulation requires that by the year 2023 all commercial diesel trucks that operate in California shall meet model year 2010 (Tier 4 Final) or latter emission standards. In the interim period, this regulation provides annual interim targets for fleet owners to meet. By January 1, 2020, 90 percent of a truck fleet is required to have installed Best Available Control Technology (BACT) for NOx emissions and 100 percent of a truck fleet installed BACT for PM10 emissions. This regulation also provides a few exemptions including a onetime per year 3-day pass for trucks registered outside of California and a low use exemption for trucks that operate less than 1,000 miles per year or less than 100 hours, if the truck operates in a stationary mode. Starting January 1, 2020 the DMV will no longer register any vehicles that do not meet the Section 2025, title 13 requirements. All on-road diesel trucks utilized during construction of the proposed project will be required to comply with Resolution 08-43.

4.3 Regional – Southern California

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

South Coast Air Quality Management District

SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. It has responded to this requirement by preparing a sequence of AQMPs. The *Final 2016 Air Quality Management Plan* (2016 AQMP) was adopted by the SCAQMD Board on March 3, 2016 and was adopted by CARB on March 23, 2017 for inclusion into the California State Implementation Plan (SIP). The 2016 AQMP was prepared in order to meet the following standards:

- 8-hour Ozone (75 ppb) by 2032
- Annual PM2.5 (12 µg/m3) by 2021-2025
- 8-hour Ozone (80 ppb) by 2024 (updated from the 2007 and 2012 AQMPs)
- 1-hour Ozone (120 ppb) by 2023 (updated from the 2012 AQMP)
- 24-hour PM2.5 (35 µg/m^3) by 2019 (updated from the 2012 AQMP)

In addition to meeting the above standards, the 2016 AQMP also includes revisions to the attainment demonstrations for the 1997 8-hour ozone NAAQS and the 1979 1-hour ozone NAAQS. The prior 2012 AQMP was prepared in order to demonstrate attainment with the 24-hour PM2.5 standard by 2014 through adoption of all feasible measures. The prior 2007 AQMP demonstrated attainment with the 1997

8-hour ozone (80 ppb) standard by 2023, through implementation of future improvements in control techniques and technologies. These "black box" emissions reductions represent 65 percent of the remaining NOx emission reductions by 2023 in order to show attainment with the 1997 8-hour ozone NAAQS. Given the magnitude of these needed emissions reductions, additional NOx control measures have been provided in the 2012 AQMP even though the primary purpose was to show compliance with 24-hour PM2.5 emissions standards.

The 2016 AQMP provides a new approach that focuses on available, proven and cost effective alternatives to traditional strategies, while seeking to achieve multiple goals in partnership with other entities to promote reductions in GHG emissions and TAC emissions as well as efficiencies in energy use, transportation, and goods movement. The 2016 AQMP recognizes the critical importance of working with other agencies to develop funding and other incentives that encourage the accelerated transition of vehicles, buildings and industrial facilities to cleaner technologies in a manner that benefits not only air quality, but also local businesses and the regional economy.

Although SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate air quality issues associated with plans and new development projects throughout the Air Basin. Instead, this is controlled through local jurisdictions in accordance to the California Environmental Quality Act (CEQA). In order to assist local jurisdictions with air quality compliance issues the *CEQA Air Quality Handbook* (SCAQMD CEQA Handbook), prepared by SCAQMD, 1993, with the most current updates found at http://www.aqmd.gov/ceqa/hdbk.html, was developed in accordance with the projections and programs detailed in the AQMPs. The purpose of the SCAQMD CEQA Handbook is to assist Lead Agencies, as well as consultants, project proponents, and other interested parties in evaluating a proposed project's potential air quality impacts. Specifically, the SCAQMD CEQA Handbook explains the procedures that SCAQMD recommends be followed for the environmental review process required by CEQA. The SCAQMD CEQA Handbook provides direction on how to evaluate potential air quality impacts, how to determine whether these impacts are significant, and how to mitigate these impacts. The SCAQMD intends that by providing this guidance, the air quality impacts of plans and development proposals will be analyzed accurately and consistently throughout the Air Basin, and adverse impacts will be minimized.

The following lists the SCAQMD rules that are applicable but not limited to school development projects in the Air Basin.

Rule 402 - Nuisance

Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which causes injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. Compliance with Rule 402 will reduce local air quality and odor impacts to nearby sensitive receptors.

Rule 403- Fugitive Dust

Rule 403 governs emissions of fugitive dust during construction activities and requires that no person shall cause or allow the emissions of fugitive dust such that dust remains visible in the atmosphere beyond the property line or the dust emission exceeds 20 percent opacity, if the dust is from the operation of a motorized vehicle. Compliance with this rule is achieved through application of standard Best Available

Control Measures, which include but are not limited to the measures below. Compliance with these rules would reduce local air quality impacts to nearby sensitive receptors.

- Utilize either a pad of washed gravel 50 feet long, 100 feet of paved surface, a wheel shaker, or a wheel washing device to remove material from vehicle tires and undercarriages before leaving project site.
- Do not allow any track out of material to extend more than 25 feet onto a public roadway and remove all track out at the end of each workday.
- Water all exposed areas on active sites at least three times per day and pre-water all areas prior to clearing and soil moving activities.
- Apply nontoxic chemical stabilizers according to manufacturer specifications to all construction areas that will remain inactive for 10 days or longer.
- Pre-water all material to be exported prior to loading, and either cover all loads or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code Section 23114.
- Replant all disturbed area as soon as practical.
- Suspend all grading activities when wind speeds (including wind gusts) exceed 25 miles per hour.
- Restrict traffic speeds on all unpaved roads to 15 miles per hour or less.

Rule 445- Fireplaces

Rule 445 governs emissions from fireplaces. This rule restricts the installation of wood-burning fireplaces into any new development and only allows the installation of dedicated gaseous-fueled fireplaces or firepits.

Rules 1108 and 1108.1 – Cutback and Emulsified Asphalt

Rules 1108 and 1108.1 govern the sale, use, and manufacturing of asphalt and limits the VOC content in asphalt. This rule regulates the VOC contents of asphalt used during construction as well as any on-going maintenance during operations. Therefore, all asphalt used during construction and operation of the proposed project must comply with SCAQMD Rules 1108 and 1108.1.

Rule 1113 – Architectural Coatings

Rule 1113 governs the sale, use, and manufacturing of architectural coatings and limits the VOC content in sealers, coatings, paints and solvents. This rule regulates the VOC contents of paints available during construction. Therefore, all paints and solvents used during construction and operation of the proposed project must comply with SCAQMD Rule 1113.

Rule 1143 – Paint Thinners

Rule 1143 governs the sale, use, and manufacturing of paint thinners and multi-purpose solvents that are used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations. This rule regulates the VOC content of solvents used during construction. Solvents used during construction and operation of the proposed project must comply with SCAQMD Rule 1143.

Southern California Association of Governments

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. SCAG has prepared the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS), adopted April, 2016 to address GHG reduction targets for passenger vehicles and light duty truck sources, and the *2019 Federal Transportation Improvement* Program (FTIP), adopted September 2018, which addresses regional development and growth forecasts and provides an air quality conformance analysis to demonstrate compliance with federal air quality standards. Although the RTP/SCS and FTIP are primarily planning documents for future transportation projects a key component of these plans is to integrate land use planning with transportation planning that promotes higher density infill development in close proximity to existing transit service, as a way to reduce vehicular emissions. These plans form the basis for the land use and transportation components of the AQMP, which are utilized in the preparation of air quality forecasts and in the consistency analysis included in the AQMP. The RTP/SCS, FTIP, and AQMP are based on growth forecasts based on regional socio-economic modeling by SCAG and land use designations originating within the City and County General Plans.

4.4 Local – City of El Segundo

Local jurisdictions, such as the City of El Segundo, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the AQMPs. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

5.0 ENERGY CONSERVATION MANAGEMENT

The regulatory setting related to energy conservation is primarily addressed through State and City regulations, which are discussed below.

5.1 State

Energy conservation management in the State was initiated by the 1974 Warren-Alquist State Energy Resources Conservation and Development Act that created the California Energy Resource Conservation and Development Commission (currently named California Energy Commission [CEC]), which was originally tasked with certifying new electric generating plants based on the need for the plant and the suitability of the site of the plant. In 1976 the Warren-Alquist Act was expanded to include new restrictions on nuclear generating plants, that effectively resulted in a moratorium of any new nuclear generating plants in the State. The following details specific regulations adopted by the State in order to reduce the consumption of energy.

California Code of Regulations (CCR) Title 20

On November 3, 1976 the CEC adopted the *Regulations for Appliance Efficiency Standards Relating to Refrigerators, Refrigerator-Freezers and Freezers and Air Conditioners,* which were the first energy-efficiency standards for appliances. The appliance efficiency regulations have been updated several times by the Commission and the most current version is the *2016 Appliance Efficiency Regulations*, adopted January 2017 and now includes almost all types of appliances and lamps that use electricity, natural gas as well as plumbing fixtures. The authority for the CEC to control the energy-efficiency of appliances is detailed in California Code of Regulations (CCR), Title 20, Division 2, Chapter 4, Article 4, Sections 1601-1609.

California Code of Regulations (CCR) Title 24, Part 6

The CEC is also responsible for implementing the CCR Title 24, Part 6: *California's Energy Efficiency Standards for Residential and Nonresidential Buildings* (Title 24 Part 6) that were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. In 2008 the State set an energy-use reduction goal of zero-net-energy use of all new homes by 2020 and the CEC was mandated to meet this goal through revisions to the Title 24, Part 6 regulations.

The Title 24 standards are updated on a three-year schedule and since 2008 the standards have been incrementally moving to the 2020 goal of the zero-net-energy use. On January 1, 2020 the 2019 standards went into effect, that have been designed so that the average new home built in California will now use zero-net-energy and that non-residential buildings will use about 30 percent less energy than the 2016 standards due mainly to lighting upgrades. The 2019 standards also encourage the use of battery storage and heat pump water heaters, require the more widespread use of LED lighting, as well as improve the building's thermal envelope through high performance attics, walls and windows. The 2019 standards also require improvements to ventilation systems by requiring highly efficient air filters to trap hazardous air particulates as well as improvements to kitchen ventilation systems.

California Code of Regulations (CCR) Title 24, Part 11

CCR Title 24, Part 11: *California Green Building Standards* (CalGreen) was developed in response to continued efforts to reduce GHG emissions associated with energy consumption. The CalGreen Building

Standards are also updated every three years and the current version is the 2019 California Green Building Standard Code that become effective on January 1, 2020.

The CALGreen Code contains requirements for construction site selection; storm water control during construction; construction waste reduction; indoor water use reduction; material selection; natural resource conservation; site irrigation conservation; and more. The code provides for design options allowing the designer to determine how best to achieve compliance for a given site or building condition. The code also requires building commissioning, which is a process for verifying that all building systems (e.g., heating and cooling equipment and lighting systems) are functioning at their maximum efficiency.

The CALGreen Code provides standards for bicycle parking, carpool/vanpool/electric vehicle spaces, light and glare reduction, grading and paving, energy efficient appliances, renewable energy, graywater systems, water efficient plumbing fixtures, recycling and recycled materials, pollutant controls (including moisture control and indoor air quality), acoustical controls, storm water management, building design, insulation, flooring, and framing, among others. Implementation of the CALGreen Code measures reduces energy consumption and vehicle trips and encourages the use of alternative-fuel vehicles, which reduces pollutant emissions.

Some of the notable changes in the 2019 CALGreen Code over the prior 2016 CALGreen Code include: an alignment of building code engineering requirements with the national standards that include anchorage requirements for solar panels, provides design requirements for buildings in tsunami zones, increases Minimum Efficiency Reporting Value (MERV) for air filters from 8 to 13, increased electric vehicle charging requirements in parking areas, and sets minimum requirements for use of shade trees.

Executive Order N-79-20

The California Governor issued Executive Order N-79-20 on September 23, 2020 that requires all new passenger cars and trucks and commercial drayage trucks sold in California to be zero-emissions by the year 2035 and all medium- heavy-duty vehicles (commercial trucks) sold in the state to be zero-emission by 2045 for all operations where feasible. Executive Order N-79-20 also requires all off-road vehicles and equipment to transition to 100 percent zero-emission equipment, where feasible by 2035.

Senate Bill 100

Senate Bill 100 (SB 100) was adopted September 2018 and requires that by December 1, 2045 that 100 percent of retail sales of electricity to be generated from renewable or zero-carbon emission sources of electricity. SB 100 supersedes the renewable energy requirements set by SB 350, SB 1078, SB 107, and SB X1-2. However, the interim renewable energy thresholds from the prior Bills of 44 percent by December 31, 2024, 52 percent by December 31, 2027, and 60 percent by December 31, 2030, will remain in effect.

Executive Order B-48-18 and Assembly Bill 2127

The California Governor issued Executive Order B-48-18 on January 26, 2018 that orders all state entities to work with the private sector to put at least five million zero-emission vehicles on California roads by 2030 and to install 200 hydrogen fueling stations and 250,000 electric vehicle chargers by 2025. Currently there are approximately 350,000 electric vehicles operating in California, which represents approximately 1.5 percent of the 24 million vehicles total currently operating in California. Implementation of Executive Order B-48-18 would result in approximately 20 percent of all vehicles in California to be zero emission electric vehicles. Assembly Bill 2127 (AB 2127) was codified into statute on September 13, 2018 and

requires that the California Energy Commission working with the State Air Resources Board prepare biannual assessments of the statewide electric vehicle charging infrastructure needed to support the levels of zero emission vehicle adoption required for the State to meet its goals of putting at least 5 million zero-emission vehicles on California roads by 2030.

Assembly Bill 1109

California Assembly Bill 1109 (AB 1109) was adopted October 2007, also known as the Lighting Efficiency and Toxics Reduction Act, prohibits the manufacturing of lights after January 1, 2010 that contain levels of hazardous substances prohibited by the European Union pursuant to the RoHS Directive. AB 1109 also requires reductions in energy usage for lighting and is structured to reduce lighting electrical consumption by: (1) At least 50 percent reduction from 2007 levels for indoor residential lighting; and (2) At least 25 percent reduction from 2007 levels for indoor commercial and all outdoor lighting by 2018. AB 1109 would reduce GHG emissions through reducing the amount of electricity required to be generated by fossil fuels in California.

Assembly Bill 1493

California Assembly Bill 1493 (also known as the Pavley Bill, in reference to its author Fran Pavley) was enacted on July 22, 2002 and required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. In 2004, CARB approved the "Pavley I" regulations limiting the amount of GHGs that may be released from new passenger automobiles that are being phased in between model years 2009 through 2016. These regulations will reduce GHG emissions by 30 percent from 2002 levels by 2016. In June 2009, the EPA granted California the authority to implement GHG emission reduction standards for light duty vehicles, in September 2009, amendments to the Pavley I regulations were adopted by CARB and implementation of the "Pavley I" regulations started in 2009.

The second set of regulations "Pavley II" was developed in 2010, and is being phased in between model years 2017 through 2025 with the goal of reducing GHG emissions by 45 percent by the year 2020 as compared to the 2002 fleet. The Pavley II standards were developed by linking the GHG emissions and formerly separate toxic tailpipe emissions standards previously known as the "LEV III" (third stage of the Low Emission Vehicle standards) into a single regulatory framework. The new rules reduce emissions from gasoline-powered cars as well as promote zero-emissions auto technologies such as electricity and hydrogen, and through increasing the infrastructure for fueling hydrogen vehicles. In 2009, the U.S. EPA granted California the authority to implement the GHG standards for passenger cars, pickup trucks and sport utility vehicles and these GHG emissions standards are currently being implemented nationwide.

The EPA has performed a midterm evaluation of the longer-term standards for model years 2022-2025, and based on the findings of this midterm evaluation, the EPA proposed The Safer Affordable Fuel Efficient (SAFE) Vehicles Proposed Rule for Model Years 2021-2026 that amends the corporate average fuel economy (CAFE) and GHG emissions standards for light vehicles for model years 2021 through 2026. The SAFE Vehicles Rule was published on April 30, 2020 and made effective on June 29, 2020.

5.2 Local – City of El Segundo

General Plan

The City of El Segundo General Plan 1992 (General Plan), adopted December 1, 1992, includes a Conservation Element that provides goals and policies for beach preservation, water supply, groundwater contamination, the El Segundo Blue Butterfly, and urban landscape. Although some of these policies may

be applicable to the project, the Conservation Element does not provide any goals and policies related to energy conservation within the City. As such, the General Plan is not an applicable plan with regard to energy conservation for the proposed project.

Municipal Code

On November 19, 2019, the City Council adopted Municipal Code Section 13-11-1: Adoption of California Green Building Standards Code, 2019 Edition, which requires new buildings in the City to be designed to meet the CalGreen Building Standards, that have been detailed above under the CCR Title 24 Part 11 requirements.

6.0 GLOBAL CLIMATE CHANGE MANAGEMENT

The regulatory setting related to global climate change is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to reduce GHG emissions through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for global climate change regulations are discussed below.

6.1 International

In 1988, the United Nations established the Intergovernmental Panel on Climate Change (IPCC) to evaluate the impacts of global climate change and to develop strategies that nations could implement to curtail global climate change. In 1992, the United States joined other countries around the world in signing the United Nations' Framework Convention on Climate Change (UNFCCC) agreement with the goal of controlling GHG emissions. The parties of the UNFCCC adopted the Kyoto Protocol, which set binding GHG reduction targets for 37 industrialized countries, the objective of reducing their collective GHG emissions by five percent below 1990 levels by 2012. The Kyoto Protocol has been ratified by 182 countries, but has not been ratified by the United States. It should be noted that Japan and Canada opted out of the Kyoto Protocol and the remaining developed countries that ratified the Kyoto Protocol have not met their Kyoto targets. The Kyoto Protocol expired in 2012 and the amendment for the second commitment period from 2013 to 2020 has not yet entered into legal force. The Parties to the Kyoto Protocol negotiated the Paris Agreement in December 2015, agreeing to set a goal of limiting global warming to less than 2 degrees Celsius compared with pre-industrial levels. The Paris Agreement has been adopted by 195 nations with 147 ratifying it, including the United States by President Obama, who ratified it by Executive Order on September 3, 2016. On June 1, 2017, President Trump announced that the United States is withdrawing from the Paris Agreement and on January 21, 2021 President Biden signed an executive order rejoining the Paris Agreement.

Additionally, the Montreal Protocol was originally signed in 1987 and substantially amended in 1990 and 1992. The Montreal Protocol stipulates that the production and consumption of compounds that deplete ozone in the stratosphere—CFCs, halons, carbon tetrachloride, and methyl chloroform—were to be phased out, with the first three by the year 2000 and methyl chloroform by 2005.

6.2 Federal – United States Environmental Protection Agency

The United States Environmental Protection Agency (EPA) is responsible for implementing federal policy to address global climate change. The Federal government administers a wide array of public-private partnerships to reduce U.S. GHG intensity. These programs focus on energy efficiency, renewable energy, methane, and other non-CO_2 gases, agricultural practices and implementation of technologies to achieve GHG reductions. EPA implements several voluntary programs that substantially contribute to the reduction of GHG emissions.

In Massachusetts v. Environmental Protection Agency (Docket No. 05–1120), argued November 29, 2006 and decided April 2, 2007, the U.S. Supreme Court held that not only did the EPA have authority to regulate greenhouse gases, but the EPA's reasons for not regulating this area did not fit the statutory requirements. As such, the U.S. Supreme Court ruled that the EPA should be required to regulate CO2 and other greenhouse gases as pollutants under the federal Clean Air Act (CAA).

In response to the FY2008 Consolidations Appropriations Act (H.R. 2764; Public Law 110-161), EPA proposed a rule on March 10, 2009 that requires mandatory reporting of GHG emissions from large sources in the United States. On September 22, 2009, the Final Mandatory Reporting of GHG Rule was signed and published in the Federal Register on October 30, 2009. The rule became effective on December 29, 2009. This rule requires suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions to submit annual reports to EPA.

On December 7, 2009, the EPA Administrator signed two distinct findings under section 202(a) of the Clean Air Act. One is an endangerment finding that finds concentrations of the six GHGs in the atmosphere threaten the public health and welfare of current and future generations. The other is a cause or contribute finding, that finds emissions from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare. These actions did not impose any requirements on industry or other entities, however, since 2009 the EPA has been providing GHG emission standards for vehicles and other stationary sources of GHG emissions that are regulated by the EPA. On September 13, 2013 the EPA Administrator signed 40 CFR Part 60, that limits emissions from new sources to 1,100 pounds of CO_2 per MWh for fossil fuel-fired utility boilers and 1,000 pounds of CO_2 per MWh for large natural gas-fired combustion units.

On August 3, 2015, the EPA announced the Clean Power Plan, emissions guidelines for U.S. states to follow in developing plans to reduce GHG emissions from existing fossil fuel-fired power plants (Federal Register Vol. 80, No. 205, October 23 2015). On October 11, 2017, the EPA issued a formal proposal to repeal the Clean Power Plan and on June 19, 2019 the EPA replaced the Clean Power Plan with the Affordable Clean Energy rule that is anticipated to lower power sector GHG emissions by 11 million tons by the year 2030.

On April 30, 2020, the EPA and the National Highway Safety Administration published the Final Rule for the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). Part One of the Rule revokes California's authority to set its own GHG emissions standards and zero-emission vehicle mandates in California, which results in one emission standard to be used nationally for all passenger cars and light trucks that is set by the EPA.

6.3 State

The CARB has the primary responsible for implementing state policy to address global climate change, however there are State regulations related to global climate change that affect a variety of State agencies. CARB, which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both the federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the SIP. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g. hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

In 2008, CARB approved a Climate Change Scoping Plan that proposes a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (CARB 2008). The Climate Change Scoping Plan has a range of GHG reduction actions which include direct

regulations; alternative compliance mechanisms; monetary and non-monetary incentives; voluntary actions; market-based mechanisms such as a cap-and-trade system. In 2014, CARB approved the First Update to the Climate Change Scoping Plan (CARB, 2014) that identifies additional strategies moving beyond the 2020 targets to the year 2050. On December 14, 2017 CARB adopted the California's 2017 Climate Change Scoping Plan, November 2017 (CARB, 2017) that provides specific statewide policies and measures to achieve the 2030 GHG reduction target of 40 percent below 1990 levels by 2030 and the aspirational 2050 GHG reduction target of 80 percent below 1990 levels by 2050. In addition, the State has passed the following laws directing CARB to develop actions to reduce GHG emissions, which are listed below in chronological order, with the most current first.

Executive Order N-79-20

EO N-79-20 establish targets for when all new vehicles and equipment are zero-emission and is described in more detail above in Section 5.1 under Energy Conservation Management.

California Code of Regulations (CCR) Title 24, Part 6

The Title 24 Part 6 standards have been developed by the CEC primarily for energy conservation and is described in more detail above in Section 5.1 under Energy Conservation Management. It should be noted that implementation of the Title 24 Part 6 building standards would also reduce GHG emissions, since as detailed above in Section 3.3 Greenhouse Gas Emissions Inventory, energy use for residential and commercial buildings creates 9.7 percent of the GHG emissions in the State.

California Code of Regulations (CCR) Title 24, Part 11

The CalGreen Building standards have been developed by the CEC primarily for energy conservation and is described in more detail above in Section 5.1 under Energy Conservation Management. It should be noted that implementation of the CalGreen Building standards would also reduce GHG emissions, since as detailed above under Title 24, Part 6, energy usage from buildings creates 9.7 percent of GHG emissions in the State.

Senate Bill 100

SB 100 requires that by December 1, 2045 that 100 percent of retail sales of electricity to be generated from renewable or zero-carbon emission sources of electricity and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order B-48-18 and Assembly Bill 2127

Executive Order B-48-18 and AB 2127 provides measures to put at least five million zero-emission vehicles on California roads by 2030 and to install 200 hydrogen fueling stations and 250,000 electric vehicle chargers by 2025 and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order B-30-15, Senate Bill 32 and Assembly Bill 197

The California Governor issued Executive Order B-30-15 on April 29, 2015 that aims to reduce California's GHG emissions 40 percent below 1990 levels by 2030. This executive order aligns California's GHG reduction targets with those of other international governments, such as the European Union that set the same target for 2030 in October, 2014. This target will make it possible to reach the ultimate goal of reducing GHG emissions 80 percent under 1990 levels by 2050 that is based on scientifically established levels needed in the U.S.A to limit global warming below 2 degrees Celsius – the warming threshold at

which scientists say there will likely be major climate disruptions such as super droughts and rising sea levels. Assembly Bill 197 (AB 197) (September 8, 2016) and Senate Bill 32 (SB 32) (September 8, 2016) codified into statute the GHG emissions reduction targets of at least 40 percent below 1990 levels by 2030 as detailed in Executive Order B-30-15. AB 197 also requires additional GHG emissions reporting that is broken down to sub-county levels and requires CARB to consider the social costs of emissions impacting disadvantaged communities.

Executive Order B-29-15

The California Governor issued Executive Order B-29-15 on April 1, 2015 and directed the State Water Resources Control Board to impose restrictions to achieve a statewide 25% reduction in urban water usage and directed the Department of Water Resources to replace 50 million square feet of lawn with drought tolerant landscaping through an update to the State's Model Water Efficient Landscape Ordinance. The Ordinance also requires installation of more efficient irrigation systems, promotion of greywater usage and onsite stormwater capture, and limits the turf planted in new residential landscapes to 25 percent of the total area and restricts turf from being planted in median strips or in parkways unless the parkway is next to a parking strip and a flat surface is required to enter and exit vehicles. Executive Order B-29-15 would reduce GHG emissions associated with the energy used to transport and filter water.

Assembly Bill 341 and Senate Bills 939 and 1374

Senate Bill 939 (SB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills. Assembly Bill 341 (AB 341) was adopted in 2011 and builds upon the waste reduction measures of SB 939 and 1374, and sets a new target of a 75 percent reduction in solid waste generated by the year 2020.

Senate Bill 375

Senate Bill 375 (SB 375) was adopted September 2008 in order to support the State's climate action goals to reduce GHG emissions through coordinated regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires CARB to set regional targets for GHG emissions reductions from passenger vehicle use. In 2010, CARB established targets for 2020 and 2035 for each Metropolitan Planning Organizations (MPO) within the State. It was up to each MPO to adopt a sustainable communities strategy (SCS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP) to meet CARB's 2020 and 2035 GHG emission reduction targets. These reduction targets are required to be updated every eight years and the most current targets are detailed at: https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/regional-plan-targets, which provides GHG emissions reduction targets for SCAG of 8 percent by 2020 and 19 percent by 2035.

The Connect SoCal (SCAG, 2020) provides a 2035 GHG emission reduction target of 19 percent reduction over the 2005 per capita emissions levels. The Connect SoCal include new initiatives of land use, transportation and technology to meet the 19 percent GHG emission reduction target for 2035. CARB is also charged with reviewing SCAG's RTP/SCS for consistency with its assigned targets.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS. However, new provisions of CEQA incentivize, through streamlining and other

provisions, qualified projects that are consistent with an approved SCS and categorized as "transit priority projects."

Assembly Bill 1109

AB 1109 requires reductions in energy usage for lighting and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order S-1-07

Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Executive Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

In 2009 CARB approved the proposed regulation to implement the LCFS. The standard was challenged in the courts, but has been in effect since 2011 and was re-approved by the CARB in 2015. The LCFS is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The LCFS is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet annually. Reformulated gasoline mixed with corn-derived ethanol and low-sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel. Compressed natural gas and liquefied natural gas also may be low-carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles, are also considered as low-carbon fuels.

Senate Bill 97

Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Natural Resources Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Natural Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the State CEQA guidelines that addresses GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporated GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance were provided and no specific mitigation measures were identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate Action Plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the GHG emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project

complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.

- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of GHG emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports must specifically consider a project's energy use and energy efficiency potential.

Assembly Bill 32

In 2006, the California State Legislature adopted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires CARB, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by 2020 through an enforceable statewide emission cap which will be phased in starting in 2012. Emission reductions shall include carbon sequestration projects that would remove carbon from the atmosphere and utilize best management practices that are technologically feasible and cost effective.

In 2007 CARB released the calculated Year 1990 GHG emissions of 431 million metric tons of CO2e ($MMTCO_2e$). The 2020 target of 431 $MMTCO_2e$ requires the reduction of 78 $MMTCO_2e$, or approximately 16 percent from the State's projected 2020 business as usual emissions of 509 $MMTCO_2e$ (CARB, 2014). Under AB 32, CARB was required to adopt regulations by January 1, 2011 to achieve reductions in GHGs to meet the 1990 cap by 2020. Early measures CARB took to lower GHG emissions included requiring operators of the largest industrial facilities that emit 25,000 metric tons of CO_2 in a calendar year to submit verification of GHG emissions by December 1, 2010. The CARB Board also approved nine discrete early action measures that include regulations affecting landfills, motor vehicle fuels, refrigerants in cars, port operations and other sources, all of which became enforceable on or before January 1, 2010.

CARB's Scoping Plan that was adopted in 2009, proposes a variety of measures including: strengthening energy efficiency and building standards; targeted fees on water and energy use; a market-based cap-and-trade system; achieving a 33 percent renewable energy mix; and a fee regulation to fund the program. The 2014 update to the Scoping Plan identifies strategies moving beyond the 2020 targets to the year 2050.

The Cap and Trade Program established under the Scoping Plan sets a statewide limit on sources responsible for 85 percent of California's GHG emissions, and has established a market for long-term investment in energy efficiency and cleaner fuels since 2012.

Executive Order S-3-05

In 2005 the California Governor issued Executive Order S 3-05, GHG Emission, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels;
- 2020: Reduce greenhouse gas emissions to 1990 levels;
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs. The State achieved its first goal of reducing GHG emissions to 2000 levels by 2010.

Assembly Bill 1493

AB 1493 or the Pavley Bill sets tailpipe GHG emissions limits for passenger vehicles in California as well as fuel economy standards and is described in more detail above in Section 5.1 under Energy Conservation Management.

6.4 Regional – Southern California

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

South Coast Air Quality Management District

SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. The SCAQMD is also responsible for GHG emissions for projects where it is the lead agency. However, for other projects in the SCAB where it is not the lead agency, it is limited to providing resources to other lead agencies in order to assist them in determining GHG emission thresholds and GHG reduction measures. In order to assist local agencies with direction on GHG emissions, the SCAQMD organized a working group, which is described below.

<u>SCAQMD Working Group</u>

Since neither CARB nor the OPR has developed GHG emissions threshold, the SCAQMD formed a Working Group to develop significance thresholds related to GHG emissions. At the September 28, 2010 Working Group meeting, the SCAQMD released its most current version of the draft GHG emissions thresholds, which recommends a tiered approach that either provides a quantitative annual thresholds of 3,500 $MTCO_2e$ for residential uses, 1,400 $MTCO_2e$ for commercial uses, 3,000 $MTCO_2e$ for mixed uses s, and 10,000 $MTCO_2e$ for industrial uses. An alternative annual threshold of 3,000 $MTCO_2e$ for all land use types is also proposed.

Southern California Association of Governments

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With respect to air quality planning, SCAG has prepared the Connect SoCal and 2019 FTIP addresses regional development and growth forecasts. Although the Connect SoCal and 2019 FTIP are primarily planning documents for future transportation projects a key component of these plans are to integrate land use planning with transportation planning that promotes higher density infill development in close proximity to existing transit service. These plans form the basis for the land use and transportation components of the AQMP, which are utilized in the preparation of air quality forecasts and in the consistency analysis included in the AQMP. The Connect SoCal, 2019 FTIP, and AQMP are based on projections originating within the City and County General Plans.

6.5 Local – City of El Segundo

Local jurisdictions, such as the City of El Segundo, have the authority and responsibility to reduce GHG emissions through their police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of GHG emissions resulting from its land use decisions. In accordance with CEQA requirements and the CEQA review process, the City assesses the global climate change potential of new development projects, requires mitigation of potentially significant global climate change impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In 2015, the City Council set GHG emission reduction goals consistent with the State's AB 32 GHG emission reduction targets. The City's target was calculated as a 15 percent decrease from 2005 levels by 2020 as recommended in the State AB 32 Scoping Plan. A longer-term goal was established for 2035 to reduce emissions by 49% below 2005 levels. These goals put the City on a path towards helping the State meet its long-term 2050 goal to reduce emissions by 80% below 1990 levels.

The *City of El Segundo Climate Action Plan* (El Segundo CAP), December 2017, has been prepared to help the City comply with the City's GHG emissions reduction goals as well as State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP advances these goals and streamlines City efforts to deploy specific initiatives and programs that target the reduction of GHG emissions, while integrating these efforts with the other priorities such as economic development, regional mobility and connectivity, and improving the local air and water quality.

7.0 ATMOSPHERIC SETTING

7.1 South Coast Air Basin

The project site is located within south coastal Los Angeles County, which is part of the South Coast Air Basin (Air Basin) that includes the non-desert portions of Riverside, San Bernardino, and Los Angeles Counties and all of Orange County. The Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

7.2 Local Climate

The climate of southwestern Los Angeles County is characterized by hot dry summers, mild moist winters with infrequent rainfall, moderate afternoon breezes, and generally fair weather. Occasional periods of strong Santa Ana winds and winter storms interrupt the otherwise mild weather pattern. Although the Air Basin is semi-arid, the air near the surface in southwestern Los Angeles County is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry air is brought into the Air Basin by offshore winds, the ocean effect is dominant. Periods of heavy fog are frequent and low stratus clouds, often referred to as "high fog" are a characteristic feature.

Winds are an important parameter in characterizing the air quality environment of a project site because they both determine the regional pattern of air pollution transport and control the rate of dispersion near a source. Daytime winds in southwestern Los Angeles County are usually light breezes from off the coast as air moves regionally onshore from the cool Pacific Ocean to the warm Mojave Desert interior of Southern California. These winds allow for good local mixing, but as discussed above, these coastal winds carry significant amounts of industrial and automobile air pollutants from the densely urbanized western portion of the Air Basin into the interior valleys which become trapped by the mountains that border the eastern and northern edges of the Air Basin.

In the summer, strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high enough to pass over the mountains and ultimately dilute the smog cloud.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the Air Basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for Los Angeles International Airport Monitoring station, which is the nearest weather station to the project site with historical data are shown below in Table D. Table D shows that August is typically the warmest month and January is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from

the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table D – Monthly Climate Data

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Total Precipitation (inches)
January	65.2	47.5	2.65
February	65.3	48.9	2.67
March	65.3	50.5	1.85
April	67.4	53.0	0.77
May	69.1	56.4	0.17
June	71.9	59.7	0.05
July	75.1	62.9	0.02
August	76.3	63.8	0.07
September	76.0	62.6	0.16
October	73.6	58.5	0.39
November	70.2	52.3	1.40
December	65.9	47.9	1.82
Annual	**70.1**	**55.3**	12.02

Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5114

7.3 Monitored Local Air Quality

The air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the Air Basin. Estimates of the existing emissions in the Air Basin provided in the 2012 AQMP, indicate that collectively, mobile sources account for 59 percent of the VOC, 88 percent of the NOx emissions and 40 percent of directly emitted PM2.5, with another 10 percent of PM2.5 from road dust. The 2016 AQMP found that since 2012 AQMP projections were made stationary source VOC emissions have decreased by approximately 12 percent, but mobile VOC emissions have increased by 5 percent. The percentage of NOx emissions remain unchanged between the 2012 and 2016 projections.

SCAQMD has divided the Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located on the southwestern edge of air monitoring area 3, which covers the Southwest Coastal LA County. Since not all air monitoring stations measure all of the tracked pollutants, the data from the following two monitoring stations, listed in the order of proximity to the project site have been used: Los Angeles-Westchester Parkway Station (Westchester Station) and Compton Station (Compton Station).

The Westchester Station is located approximately 2.8 miles northwest of the project site at 7201 W Westchester Parkway, Los Angeles, and the Compton Station (Compton Station) is located approximately 11 miles east of the project site at 700 North Bullis Road, Compton. The monitoring data is presented in Table E and shows the most recent three years of monitoring data from CARB. Ozone, NO_2, and PM10 were measured at the Westchester Station and PM2.5 was measured at the Compton Station. CO measurements have not been provided, since CO is currently in attainment in the Air Basin and monitoring of CO within the Air Basin ended on March 31, 2013.

Table E – Local Area Air Quality Monitoring Summary

Pollutant (Standard)	Year[1] 2018	2019	2020
Ozone: [1]			
Maximum 1-Hour Concentration (ppm)	0.074	0.082	0.117
Days > CAAQS (0.09 ppm)	0	0	**1**
Maximum 8-Hour Concentration (ppm)	0.065	0.067	0.074
Days > NAAQS (0.070 ppm)	0	0	**2**
Days > CAAQs (0.070 ppm)	0	0	**2**
Nitrogen Dioxide: [1]			
Maximum 1-Hour Concentration (ppb)	59.6	56.6	59.7
Days > NAAQS (100 ppb)	0	0	0
Days > CAAQS (180 ppb)	0	0	0
Inhalable Particulates (PM10) :[1]			
Maximum 24-Hour National Measurement (ug/m^3)	45.3	62.1	55.6
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	0	**2**	**1**
Annual Arithmetic Mean (AAM) (ug/m^3)	17.6	19.7	22.0
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	No	No	**Yes**
Ultra-Fine Particulates (PM2.5):[2]			
Maximum 24-Hour National Measurement (ug/m^3)	49.4	39.5	67.5
Days > NAAQS (35 ug/m^3)	**2**	**1**	**19**
Annual Arithmetic Mean (AAM) (ug/m^3)	13.2	10.8	14.6
Annual > NAAQS and CAAQS (12 ug/m^3)	**Yes**	No	**Yes**

Notes: Exceedances are listed in **bold.** CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million; ppb = parts per billion; ND = no data available.

[1] Data obtained from the Westchester Station.

[2] Data obtained from the Compton Station.

Source: http://www.arb.ca.gov/adam/

Ozone

During the last three years, the State 1-hour concentration standard for ozone has been exceeded for only one day in the year 2020 at the Westchester Station. The State and Federal 8-hour ozone standard has been exceeded for only 2 days in the year 2020 for the past three years at the Westchester Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of Southern California contribute to the

ozone levels experienced at this monitoring station, with the more significant areas being those directly upwind.

Nitrogen Dioxide

The Westchester Station did not record an exceedance of either the Federal or State 1-hour NO_2 standards for the last three years.

Particulate Matter

The State 24-hour concentration standard for PM10 has been exceeded between zero and two days each year over the past three years at the Westchester Station. Over the past three years the Federal 24-hour standard for PM10 did not record an exceedance at the Westchester Station. The annual PM10 concentration at the Westchester Station has only exceeded the State standard for year 2020 and has not exceeded the federal standard for the past three years.

Over the past three years the federal 24-hour concentration standard for PM2.5 has been exceeded between 1 and 19 day each year over the past three years at the Compton Station. The annual PM2.5 concentrations at the Compton Station has exceeded both the State and Federal standards for two of the past three years. Particulate levels in the area are due to natural sources, grading operations, and motor vehicles.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

7.4 Toxic Air Contaminant Levels in the Air Basin

In order to determine the Air Basin-wide risks associated with major airborne carcinogens, the SCAQMD conducted the Multiple Air Toxics Exposure Study (MATES) studies. According to the MATES V study (SCAQMD, 2021), the project site has an estimated cancer risk of 598 per million persons chance of cancer in the vicinity of the project site. In comparison, the average cancer risk for the Air Basin is 455 per million persons. The MATES V study that monitored air toxins between May 1, 2018 to April 30, 2019 found that cancer risk from air toxics has declined significantly in the Air Basin with a 40 percent decrease in cancer risk since the monitoring for the MATES IV study that occurred between July 1, 2012 and June 30, 2013 and an 84 percent decrease in cancer risk since the monitoring for the MATES II study that occurred between April 1, 1998 and March 31, 1999.

The MATES V study also analyzed impacts specific to the communities experiencing environmental injustices (EJ communities) that were evaluated using the Senate Bill 535 definition of disadvantaged communities, which found that between MATES IV and MATES V, the cancer risk from air toxics decreased by 57 percent in EJ communities overall, compared to a 53 percent reduction in non-EJ communities.

In order to provide a perspective of risk, it is often estimated that the incidence in cancer over a lifetime for the U.S. population is around 1 in 3, or a risk of about 300,000 per million persons. The MATES-III study referenced a Harvard Report on Cancer Prevention, which estimated that of cancers associated with

known risk factors, about 30 percent were related to tobacco, about 30 percent were related to diet and obesity, and about 2 percent were associated with environmental pollution related exposures that includes hazardous air pollutants.

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8.0 MODELING PARAMETERS AND ASSUMPTIONS

8.1 CalEEMod Model Input Parameters

The criteria air pollution and GHG emissions impacts created by the proposed project have been analyzed through use of CalEEMod Version 2020.4.0. CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2017 computer program to calculate the emission rates specific for the South Coast Air Basin portion of Los Angeles County for employee, vendor and haul truck vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy equipment operations. EMFAC2017 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour.

The project characteristics in the CalEEMod model were set to a project location of South Coast Air Basin portion of Los Angeles County, a Climate Zone of 9, utility company of Southern California Edison and an opening year of 2023 was utilized in this analysis. In addition, the EMFAC off-model adjustment factors for gasoline light duty vehicle to account for the SAFE Vehicle rule was selected in the CalEEMod model run.

Land Use Parameters

The proposed project would consist of construction of: 1) a 4-story 93,559 net square foot (105,469 gross square foot) office building with a mezzanine level and a new 23-space surface parking lot (1950 East Grand Avenue); 2) a 4-level 258 space parking structure (1960 East Grand Avenue); and 3) landscaping and hardscape improvements including the addition of a large outdoor landscaped plaza with outdoor seating (1950 and 1960 East Grand Avenue). According to the project applicant, the proposed project would disturb 4.0 acres of the 5.37-acre project site. The proposed project's land use parameters that were entered into the CalEEMod model are shown in Table F. It should be noted that one unit of apartment high rise was added to the CalEEMod model run with all parameters for this apartment unit set to zero, other than for two natural gas fireplaces, in order to be able to model the air emissions created from the two proposed firepits in the plaza area.

Table F – CalEEMod Land Use Parameters

Proposed Land Use	Land Use Subtype in CalEEMod	Land Use Size[1]	Lot Acreage[2]	Building/Paving[3] (square feet)
Office Building (1950 E Grand Ave)[3]	General Office Building	93.559 TSF	2.60	93,559
Parking Structure (1960 E Grand Ave)	Enclosed Parking with Elevator	258 PS	0.66	103,000
Surface Parking Lot (1950 E Grand Ave)	Parking Lot	23 PS	0.19	9,200
Surface Parking Lot (1950 E Grand Ave)	Other Non-Asphalt Surfaces	24.00 TSF	0.55	24,000

Notes:
[1] TSF = Thousand Square Feet; PS = Parking Space.
[2] Lot acreage calculated based on the total area disturbed of 4.0-acres.
[3] Building/Paving square feet represent area where architectural coatings will be applied.

Construction Parameters

The proposed project construction is expected to begin in October 2021 and be completed by March, 2024. The construction-related GHG emissions were based on a 30-year amortization rate as

recommended in the SCAQMD GHG Working Group meeting on November 19, 2009. The phases of construction activities that have been analyzed are detailed below and include: 1) Demolition/Site Preparation, 2) Grading, 3) Building construction, 4) Paving, and 5) Application of architectural coatings.

Demolition/Site Preparation

Approximately 3-acres of the 4-acres to be disturbed is currently paved. In order to calculate the amount of demolition material to be removed, the approximately 130,700 square feet of pavement was assumed to be an average of 4-inches thick and weigh 145 pounds per square foot, which results in 3,159 tons of pavement that would be removed from the project site that was entered into the CalEEMod model. This would require a total of 312 haul truck trips (average 14.2 haul truck trips per day over 22 workdays). In order to account for the project location with no active landfills in the vicinity of the project, the average haul trip length was increased to 43 miles (86 miles roundtrip), which is the distance to the Irwindale material processing site.

The demolition/site preparation phase has been modeled as a demolition phase, instead of a site preparation phase in order to account for the material to be demolished onsite and was modeled as starting in October 2022 and occurring over 22 working days. The demolition/site preparation activities would generate 15 worker trips per day. In order to account for water truck emissions, six vendor truck emissions were added to the demolition phase. The onsite equipment would consist of one concrete/industrial saw, three excavators, and two rubber tired dozers, which is based on the CalEEMod default equipment mix. The mitigation of water all exposed areas three times per day was chosen in order to account for the fugitive dust reduction that would occur through adhering to SCAQMD Rule 403, which requires that the Best Available Control Measures be utilized to reduce fugitive dust emissions.

Grading

The grading phase was modeled as starting during the last week of the demolition/site preparation phase and would occur over 38 working days. The proposed grading is anticipated to include the export of 8,120 cubic yards of material, which would require a total of 1,015 haul truck trips (average 26.7 haul truck trips per day over 38 workdays). In order to account for the project location with no active landfills in the vicinity of the project, the average haul trip length was increased to 43 miles (86 miles roundtrip), which is the distance to the Irwindale material processing site.

The grading phase would generate 15 worker trips per day. In order to account for water truck emissions, six vendor truck emissions were added to the grading phase. The onsite equipment would consist of consist of one excavator, one grader, one rubber-tired dozer, and three of either tractors, loaders, or backhoes, which is based on the CalEEMod default equipment mix. The mitigation of water all exposed areas three times per day was chosen in order to account for the fugitive dust reduction that would occur through adhering to SCAQMD Rule 403, which requires that the Best Available Control Measures be utilized to reduce fugitive dust emissions.

Building Construction

The building construction would occur after the completion of the grading phase and was modeled as occurring over 320 working days. The building construction phase would generate 111worker trips and 47 vendor trips per day. The onsite equipment would consist of the simultaneous operation of one crane, three forklifts, one generator, one welder, and three of either tractors, loaders, or backhoes, which is based on the CalEEMod default equipment mix.

Paving

The paving phase would occur concurrently with the building construction phase and was modeled as starting in October 2023 and occurring over 16 working days, which is based on the project applicant's construction timing. The paving phase would generate 20 worker trips per day. The onsite equipment would consist of the simultaneous operation of two cement and mortar mixers, one paver, two paving equipment, two rollers, and one of either a tractor, loader, or backhoe, which is based on the CalEEMod default equipment mix.

Architectural Coating

The architectural coating phase would occur concurrently with the building construction phase and was modeled as starting February 2024 and occurring over 16 working days, which is based on the project applicant's construction timing. The architectural coating phase was modeled based on covering 158,204 square feet of non-residential interior area, 52,735 square feet of non-residential exterior area, and 10,984 square feet of parking area. The architectural coating phase would generate an average of 16 worker trips per day. The onsite equipment would consist of one air compressor, which is based on the CalEEMod default equipment mix.

Operational Emissions Modeling

The operations-related criteria air pollutant emissions and GHG emissions created by the proposed project have been analyzed through use of the CalEEMod model. The proposed project was analyzed in the CalEEMod model based on the land use parameters provided above.

Mobile Sources

Mobile sources include emissions generated from the additional vehicle trips that would occur through implementation of the proposed project. The vehicle trips associated with the proposed project were obtained from the *1950-1960 East Grand Avenue Project, El Segundo Draft Transportation Impact Analysis* (Traffic Analysis), prepared by Fehr and Peers, January 2022. The Traffic Analysis found that the proposed project would generate 1,027 weekday vehicle trips, which was entered into the CalEEMod. Since the Traffic Analysis did not provide Saturday or Sunday daily trip rates for the proposed project, the default CalEEMod daily trip generation rates of: 211 Saturday vehicle trips; and 65 Sunday vehicle trips were utilized.

The CalEEMod model provides the selection of "mitigation" to account for project conditions that would result in less emissions than a project without these conditions, however it should be noted that this "mitigation" may represent current conditions, such as development that is in close proximity to an existing transit facility, where a project built at such location would create less vehicle trips and associated emissions than a project that was not built in close proximity to an existing transit facility. The mobile source emissions analysis for the project included the CalEEMod "mitigation" of improved pedestrian network onsite and connecting offsite, and increase transit accessibility with 0.06 mile to the nearest transit to account for the existing LA Metro Bus Stop at Grand Avenue and Sepulveda Boulevard that is located as near as 400 feet west of the project site.

Area Sources

Area sources include emissions from consumer products, landscape equipment, and architectural coatings. The area source emissions were based on the on-going use of the proposed project in the CalEEMod model. However, the Landscape Plan shows that the Number 6 Recreation Center would have

one communal fire table and Number 12 Large Entertainment Courtyard would have three fire pits. Since SCAQMD Rule 445 restricts the installation of wood-burning devices into new developments, the fire table and three fire pits were modeled as four natural gas only fireplaces in the CalEEMod model. No other changes were made to the default area source parameters in the CalEEMod model.

Energy Usage

Energy usage includes emissions from electricity and natural gas used onsite. The energy usage was based on the ongoing use of the proposed project in the CalEEMod Model. No changes were made to the default energy usage parameters in the CalEEMod model.

Solid Waste

Waste includes the GHG emissions associated with the processing of waste from the proposed project as well as the GHG emissions from the waste once it is interred into a landfill. The analysis was based on the default CalEEMod solid waste generating rate of 87 tons of solid waste per year. No changes were made to the default solid waste parameters in the CalEEMod model.

The CalEEMod "mitigation" of a 50 percent reduction in landfill waste was selected to account for implementation of AB 341 that provides strategies to reduce, recycle or compost solid waste by 75 percent by 2020. Only 50 percent was selected, since AB 341 builds upon the waste reduction measures of SB 939 and 1374 and therefore, it was assumed approximately 25 percent of the waste reduction target has already been accounted for in the CalEEMod model.

Water and Wastewater

Water includes the water used for the interior of the buildings as well as for landscaping and is based on the GHG emissions associated with the energy used to transport and filter the water. The analysis was based on the default CalEEMod water usage rate of 16,628,769 gallons per year of indoor water use and 10,191,826 gallons per year of outdoor water use. No changes were made to the default water and wastewater parameters in the CalEEMod model.

The CalEEMod "mitigation" of the use of low flow faucets, and toilets and use of smart irrigation system controllers were selected to account for the implementation of the 2016 CCR Title 24 Part 11 (CalGreen) requirements.

Backup Diesel Generator

The proposed project would include the installation of a backup diesel-powered generator located on the northwest corner of the existing parking structure. The backup generator would provide backup power for critical systems in the new office building and parking structure, such as emergency lighting, security, and server rooms. The exact size of the backup generator has not yet been determined, however similar projects that Vista Environmental has worked on have utilized a 250 kW 389 horsepower backup generator for these power requirements. As such, this analysis has analyzed the emissions created from a 250 kW 389 horsepower diesel-powered backup generator.

Backup generators typically cycle on for 30 minutes on a weekly basis in order to keep the engine lubricated and ready to use in case of a power outage. The typical cycling of a backup generator would operate for approximately 26 hours per year. The backup diesel generator was modeled in CalEEMod based on a 389 horsepower engine, a 0.73 load factor, 0.5 hour per day, and 26 hours per year.

8.2 Energy Use Calculations

The proposed project is anticipated to consume energy during both construction and operation of the proposed project and the parameters utilized to calculate energy use from construction and operation of the proposed project are detailed separately below.

Construction-Related Energy Use

Construction of the proposed project is anticipated to use energy in the forms of petroleum fuel for both off-road equipment as well as from the transport of workers and materials to and from the project site and the calculations for each source are described below.

Off-Road Construction Equipment

The off-road construction equipment fuel usage was calculated through use of the CalEEMod model's default off-road equipment assumptions detailed above in Section 8.1. For each piece of off-road equipment, the fuel usage was calculated through use of the *2017 Off-road Diesel Emission Factors* spreadsheet, prepared by CARB (https://ww3.arb.ca.gov/msei/ordiesel.htm). The Spreadsheet provides the following formula to calculate fuel usage from off-road equipment:

> Fuel Used = Load Factor x Horsepower x Total Operational Hours x BSFC / Unit Conversion
>
> Where:
>
> Load Factor - Obtained from CalEEMod default values
>
> Horsepower – Obtained from CalEEMod default values
>
> Total Operational Hours – Calculated by multiplying the daily hours by the number of working days for each phase of construction as shown on the project applicant's construction schedule.
>
> BSFC – Brake Specific Fuel Consumption (pounds per horsepower-hour) – If less than 100 Horsepower = 0.408, if greater than 100 Horsepower = 0.367
>
> Unit Conversion – Converts pounds to gallons = 7.109

Table G shows the off-road construction equipment fuel calculations based on the above formula. Table G shows that the off-road equipment utilized during construction of the proposed project would consume 52,904 gallons of fuel.

Table G – Off-Road Equipment and Fuel Consumption from Construction of the Proposed Project

Equipment Type	Equipment Quantity	Horse-power	Load Factor	Operating Hours per Day	Total Operational Hours[1]	Fuel Used (gallons)
Demolition/Site Preparation						
Concrete/Industrial Saws	1	81	0.73	8	176	597
Excavators	3	158	0.38	8	528	1,637
Rubber Tired Dozers	2	247	0.4	8	352	1,795
Grading						
Excavators	1	158	0.38	8	304	942
Graders	1	187	0.41	8	304	1,203
Rubber Tired Dozers	1	247	0.4	8	304	1,551
Tractors/Loaders/Backhoes	3	97	0.37	8	912	1,879
Building Construction						
Crane	1	231	0.29	7	2,240	7,747
Forklifts	3	89	0.20	8	7,680	7,846
Generator Set	1	84	0.74	8	2,560	9,133
Tractor/Loader/Backhoes	3	97	0.37	7	6,720	13,842
Welder	1	46	0.45	8	2,560	3,041
Paving						
Cement and Mortar Mixers	2	9	0.56	6	192	56
Pavers	1	130	0.42	8	128	361
Paving Equipment	2	132	0.36	6	192	471
Rollers	2	80	0.38	6	192	335
Tractor/Loader/Backhoes	3	97	0.37	7	128	361
Architectural Coatings						
Air Compressor	1	78	0.42	6	96	206
	Total Off-Road Equipment Fuel Used during Construction (gallons)					**52,904**

Notes:
[1] Based on: 22 days for Demolition/Site Preparation; 38 days for Grading; 320 days for Building Construction; 16 days for paving; and 16 days for architectural coating.
Source: CalEEMod Version 2020.4.0 (see Appendix A); CARB, 2017.

On-Road Construction-Related Vehicle Trips

The on-road construction-related vehicle trips fuel usage was calculated through use of the construction vehicle trip assumptions from the CalEEMod model run as detailed above in Section 8.1. The calculated total construction miles was then divided by the fleet average for all of Southern California miles per gallon rates for the year 2022 calculated through use of the EMFAC2017 model (https://www.arb.ca.gov/emfac/2017/) and the EMFAC2017 model printouts are shown in Appendix B. Table H shows the on-road construction vehicle trips modeled in CalEEMod and the fuel usage calculations.

Table H shows that the on-road construction-related vehicle trips would consume 40,837 gallons of fuel and as detailed above, Table G shows that the off-road construction equipment would consume 52,904 gallons of fuel. This would result in the total consumption of 93,742 gallons of petroleum fuel from construction of the proposed project.

Table H – On-Road Vehicle Trips and Fuel Consumption from Construction of the Proposed Project

Vehicle Trip Types	Daily Trips	Trip Length (miles)	Total Miles per Day	Total Miles per Phase[1]	Fleet Average Miles per Gallon[2]	Fuel Used (gallons)
Demolition/Site Preparation						
Worker Trips	15	14.7	221	4,851	26.0	187
Vendor Truck Trips	6	6.9	41	911	8.2	111
Haul Truck Trips	14.2	43.0	610	13,416	8.2	1,631
Grading						
Worker Trips	15	14.7	221	8,374	26.0	322
Vendor Truck Trips	6	6.9	41	1,573	8.2	191
Haul Truck Trips	26.7	43.0	1,149	43,645	8.2	5,306
Building Construction						
Worker Trips	111	14.7	1,632	522,144	26.0	20,091
Vendor Truck Trips	47	6.9	324	103,776	8.2	12,617
Paving/Site Improvements						
Worker Trips	20	14.7	294	4,704	26.0	181
Architectural Coatings						
Worker Trips	22	14.7	323	5,174	26.0	199
		Total Fuel Used from On-Road Construction Vehicles (gallons)				**40,837**

Notes:
[1] Based on: 22 days for Demolition/Site Preparation; 38 days for Grading; 320 days for Building Construction; 16 days for paving; and 16 days for architectural coating.
[2] From EMFAC 2017 model (see Appendix B). Worker Trips based on entire fleet of gasoline vehicles and Vendor Trips based on only truck fleet of diesel vehicles.
Source: CalEEMod Version 2020.4.0; CARB, 2018.

Operations-Related Energy Use

The operation of the proposed project is anticipated to use energy in the forms of petroleum fuel, electricity, and natural gas, and the calculations for each source are described below.

Operational Petroleum Fuel

The on-road operations-related vehicle trips fuel usage was calculated through use of the total annual vehicle miles traveled assumptions from the CalEEMod model run as detailed above in Section 8.1, which found that operation of the proposed project would generate 6,839,658 vehicle miles traveled per year. The calculated total construction miles was then divided by the Southern California fleet average rate of 26.0 miles per gallon, which was calculated through use of the EMFAC2017 model and based on the year 2022. The EMFAC2017 model printouts are shown in Appendix B. Based on the above calculation methodology, operational vehicle trips generated from the proposed project would consume 263,181 gallons per year.

Operational Electricity Use

The operations-related electricity usage was calculated in the CalEEMod model run that is detailed above in Section 8.1 that found the parking structure will consume 561,408 kilowatt hours (kWh) per year, the proposed office building will consume 1,318,360 kWh per year, and the proposed surface parking lot will consume 3,220 kWh per year. As such the proposed project will use 1,882,988 kWh per year with

implementation of Title 24 part 6 requirements that require the implementation of building energy efficiency standards that include the use of LED lighting.

Operational Natural Gas Use

The operations-related natural gas usage was calculated in the CalEEMod model run that is detailed above in Section 8.1 that found the proposed project will use 1,087,390 kilo British Thermal Units (kBTU) per year, which is equivalent to 1,087 mega-British Thermal units (MBTU) per year of natural gas.

9.0 THRESHOLDS OF SIGNIFICANCE

9.1 Regional Air Quality

Many air quality impacts that derive from dispersed mobile sources, which are the dominate pollution generators in the Air Basin, often occurs hours later and miles away after photochemical processes have converted primary exhaust pollutants into secondary contaminants such as ozone. The incremental regional air quality impact of an individual project is generally very small and difficult to measure. Therefore, SCAQMD has developed significance thresholds based on the volume of pollution emitted rather than on actual ambient air quality because the direct air quality impact of a project is not quantifiable on a regional scale. The SCAQMD CEQA Handbook states that any project in the Air Basin with daily emissions that exceed any of the identified significance thresholds should be considered as having an individually and cumulatively significant air quality impact. For the purposes to this air quality impact analysis, a regional air quality impact would be considered significant if emissions exceed the SCAQMD significance thresholds identified in Table I.

Table I – SCAQMD Regional Criteria Pollutant Emission Thresholds of Significance

	Pollutant Emissions (pounds/day)						
	VOC	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**Lead**
Construction	75	100	550	150	150	55	3
Operation	55	55	550	150	150	55	3

Source: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2

9.2 Local Air Quality

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. SCAQMD has also provided *Final Localized Significance Threshold Methodology* (LST Methodology), July 2008, which details the methodology to analyze local air emission impacts. The LST Methodology found that the primary emissions of concern are NO_2, CO, PM10, and PM2.5.

The LST Methodology provides Look-Up Tables with different thresholds based on the location and size of the project site and distance to the nearest sensitive receptors. As detailed above in Section 7.3, the project site is located in Monitoring Area 3, which covers the Southwest Coastal LA County. The Look-Up Tables provided in the LST Methodology include project site acreage sizes of 1-acre, 2-acres and 5-acres. Since the area to be disturbed on the project site is 4.0 acres, the 2-acre and 5-acre project sites shown in the Look-Up Tables were interpolated in order to calculate the 4.0-acre threshold that has been utilized in this analysis.

The nearest offsite sensitive receptors are guests at the hotel located as near as 10 feet (3 meters) south of the project site. According to LST Methodology, any receptor located closer than 25 meters (82 feet) shall be based on the 25-meter thresholds. Table J below shows the LSTs for NO_2, PM10 and PM2.5 for both construction and operational activities.

Table J – SCAQMD Local Air Quality Thresholds of Significance

Activity	Allowable Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Construction	175	1,520	13	7
Operation	175	1,520	3	2

Notes:

[1] The nearest offsite sensitive receptors are guests at the hotel located as near as 10 feet (3 meters) south of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.

Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres in Air Monitoring Area 3, Southwest Coastal LA County.

9.3 Toxic Air Contaminants

According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:

- If the Maximum Incremental Cancer Risk is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to toxic air contaminants (TACs), the *Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*, (Diesel Analysis) prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create TACs through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the TAC and the toxicity of the hazardous air pollutant (HAP) should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

9.4 Odor Impacts

The SCAQMD CEQA Handbook states that an odor impact would occur if the proposed project creates an odor nuisance pursuant to SCAQMD Rule 402, which states:

> "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
>
> The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals."

If the proposed project results in a violation of Rule 402 with regards to odor impacts, then the proposed project would create a significant odor impact.

9.5 Energy Conservation

The 2018 amendments and additions to the CEQA Checklist now include an Energy Section that analyzes the proposed project's energy consumption in order to avoid or reduce inefficient, wasteful or

unnecessary consumption of energy. Appendix F of the 2020 CEQA Statute and Guidelines, states the following:

> The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:
>
> (1) Decreasing overall per capita energy consumption,
>
> (2) Decreasing reliance on fossil fuels such as coal, natural gas and oil, and
>
> (3) Increasing reliance on renewable energy sources.

Since the Energy Section was just added, no state or local agencies have adopted specific criteria or thresholds to be utilized in an energy impact analysis. However, the 2018 *Guidelines for the Implementation of the California Environmental Quality Act,* provide the following direction on how to analyze a project's energy consumption:

> "If analysis of the project's energy use reveals that the project may result in significant environmental effects due to wasteful, inefficient, or unnecessary use of energy, or wasteful use of energy resources, the EIR shall mitigate that energy use. This analysis should include the project's energy use for all project phases and components, including transportation-related energy, during construction and operation. In addition to building code compliance, other relevant considerations may include, among others, the project's size, location, orientation, equipment use and any renewable energy features that could be incorporated into the project. (Guidance on information that may be included in such an analysis is presented in Appendix F.) This analysis is subject to the rule of reason and shall focus on energy use that is caused by the project. This analysis may be included in related analyses of air quality, greenhouse gas emissions, transportation or utilities in the discretion of the lead agency."

If the proposed project creates inefficient, wasteful or unnecessary consumption of energy during construction or operation activities or conflicts with a state or local plan for renewable energy or energy efficiency, then the proposed project would create a significant energy impact.

9.6 Greenhouse Gas Emissions

The City of El Segundo has adopted a Climate Action Plan (El Segundo CAP) that has been prepared to assist the City comply with various local, regional, State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP advances these goals and streamlines City efforts to deploy specific initiatives and programs that target the reduction of GHG emissions, while integrating these efforts with the other priorities such as economic development, regional mobility and connectivity, and improving the local air and water quality. The El Segundo CAP states: *With the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan*.

Therefore, the proposed project would be considered to be consistent with the El Segundo CAP if the proposed project can demonstrate it is consistent with the applicable emissions reduction measures included in the El Segundo CAP, and the programs and standards that would be implemented as a result of the El Segundo CAP.

The GHG emissions analysis for both construction and operation of the proposed project can be found below in Sections 10.8 and 10.9.

10.0 IMPACT ANALYSIS

10.1 CEQA Thresholds of Significance

Consistent with CEQA and the State CEQA Guidelines, a significant impact related to air quality, energy, and GHG emissions would occur if the proposed project is determined to:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations;
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people;
- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation;
- Conflict with or obstruct a state or local plan for renewable energy;
- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

10.2 Air Quality Compliance

The proposed project would not conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan (AQMP). The following section discusses the proposed project's consistency with the SCAQMD AQMP.

SCAQMD Air Quality Management Plan

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and regional plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD AQMP. Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended GP Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

Criterion 1 - Increase in the Frequency or Severity of Violations?

Based on the air quality modeling analysis contained in this report, short-term regional construction air emissions would not result in significant impacts based on SCAQMD regional thresholds of significance discussed above in Section 9.1 or local thresholds of significance discussed above in Section 9.2. The ongoing operation of the proposed project would generate air pollutant emissions that are inconsequential on a regional basis and would not result in significant impacts based on SCAQMD thresholds of significance discussed above in Section 9.1. The analysis for long-term local air quality impacts showed that local pollutant concentrations would not be projected to exceed the air quality standards. Therefore, a less than significant long-term impact would occur and no mitigation would be required.

Therefore, based on the information provided above, the proposed project would be consistent with the first criterion.

Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to insure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The AQMP is developed through use of the planning forecasts provided in the RTP/SCS (Connect SoCal) and FTIP (2019 FTIP). The RTP/SCS is a major planning document for the regional transportation and land use network within Southern California. The RTP/SCS is a long-range plan that is required by federal and state requirements placed on SCAG and is updated every four years. The FTIP provides long-range planning for future transportation improvement projects that are constructed with state and/or federal funds within Southern California. Local governments are required to use these plans as the basis of their plans for the purpose of consistency with applicable regional plans under CEQA. For this project, the City of El Segundo General Plan's Land Use Plan defines the assumptions that are represented in AQMP.

The project site is currently designated as Corporate Office in the General Plan and is zoned Corporate Office (CO). The CO Zone permits a maximum floor area ratio (FAR) of 0.8:1. Parcel 1 is allowed a maximum of 93,568 square feet of net floor area. The FAR for Parcel 1 will be 0.8:1. As such, the project is consistent with the existing land use designation and zoning. Therefore, the proposed project is not anticipated to exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur in relation to implementation of the AQMP.

Level of Significance

Less than significant impact.

10.3 Cumulative Net Increase in Non-Attainment Pollution

The proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard. The following section calculates the potential air emissions associated with the construction and operations of the proposed project and compares the emissions to the SCAQMD standards.

Construction Emissions

The construction activities for the proposed project are anticipated to include demolition of an existing surface parking lot and passive open space area, grading of approximately 4 acres of the project site, building construction of the proposed office building, parking structure, surface parking lot and plaza, paving and site improvements, and application of architectural coatings. The construction emissions have been analyzed for both regional and local air quality impacts.

Construction-Related Regional Impacts

The CalEEMod model has been utilized to calculate the construction-related regional emissions from the proposed project and the input parameters utilized in this analysis have been detailed in Section 7.1. The summer or winter daily construction-related criteria pollutant emissions from the proposed project for each phase of construction activities are shown below in Table K and the CalEEMod daily printouts are shown in Appendix A. Since it is possible that demolition and grading activities may occur concurrently in year 2022, the emissions for demolition and grading activities have been combined in Table K. In addition, Table K shows the combined building construction (year 2024), paving/site improvements, and architectural coating activities, since these phases may occur concurrently towards the end of the building construction phase.

Table K – Construction-Related Regional Criteria Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Combined Demolition and Grading (Year 2022)[1]						
Onsite	2.94	35.49	23.11	0.08	2.77	1.74
Offsite	1.57	43.08	12.29	0.14	4.08	1.24
Total	**4.51**	**78.57**	**35.40**	**0.22**	**6.85**	**2.97**
Building Construction (Year 2023)						
Onsite	1.57	14.38	16.24	0.03	0.70	0.66
Offsite	0.43	2.16	4.72	0.02	1.56	0.43
Total	**2.01**	**16.55**	**20.97**	**0.05**	**2.26**	**1.09**
Combined Building Construction (Year 2024), Paving/Site Improvements, and Architectural Coatings						
Onsite	66.99	23.45	30.17	0.05	1.11	1.04
Offsite	0.55	2.23	5.89	0.02	1.85	0.56
Total	**67.53**	**25.69**	**36.06**	**0.07**	**2.96**	**1.60**
Maximum Daily Construction Emissions	**67.53**	**78.57**	**36.06**	**0.22**	**6.85**	**2.97**
SCQAMD Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Demolition and Grading based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[2] Onsite emissions from equipment not operated on public roads.
[3] Offsite emissions from vehicles operating on public roads.

Source: CalEEMod Version 2020.4.0.

Table K shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either the combined demolition and grading, building construction, or the combined building construction, paving/site improvement, and architectural coating phases. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

Construction-Related Local Impacts

Construction-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from construction were analyzed through utilizing the methodology described in *Localized Significance Threshold Methodology* (LST Methodology), prepared by SCAQMD, revised October 2009. The LST Methodology found the primary criteria pollutant emissions of concern are NOx, CO, PM10, and PM2.5. In order to determine if any of these pollutants require a detailed analysis of the local air quality impacts, each phase of construction was screened using the SCAQMD's Mass Rate LST Look-up Tables. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily onsite emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality.

Table L shows the onsite emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds that have been detailed above in Section 7.2. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently, Table L shows the combined local criteria pollutant emissions from building construction, paving and architectural coating phases of construction.

Table L – Construction-Related Local Criteria Pollutant Emissions

Phase	Pollutant Emissions[1] (pounds/day)			
	NOx	**CO**	**PM10**	**PM2.5**
Combined Demolition and Grading (Year 2022)[2]	40.87	24.65	3.28	1.89
Building Construction (Year 2023)	14.65	16.83	0.89	0.71
Combined Building Construction (Year 2024), Paving/Site Improvements, and Architectural Coatings	24.67	31.02	1.42	1.19
Maximum Daily Construction Emissions	**40.87**	**31.02**	**3.28**	**1.89**
SCAQMD Local Construction Thresholds[3]	**175**	**1,520**	**13**	**7**
Exceeds Threshold?	No	No	No	No

Notes:
[1] The Pollutant Emissions include 100% of the On-Site emissions (off-road equipment and fugitive dust) and 1/8 of the Off-Site emissions (on road trucks and worker vehicles), in order to account for the on-road emissions that occur within a ¼ mile of the project site.
[2] Demolition and Grading phases based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[3] The nearest offsite sensitive receptors are guests at the hotel located as near as 10 feet (3 meters) south of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.
Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres in Air Monitoring Area 3, Southwest Coastal LA County.

The data provided in Table L shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds during either the combined demolition and grading, building construction, or the

combined building construction, paving/site improvement, and architectural coatings phases. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Operational Emissions

The on-going operation of the proposed project would result in a long-term increase in air quality emissions. This increase would be due to emissions from the project-generated vehicle trips, emissions from energy usage, onsite area source emissions created from the on-going use of the proposed project, and from the proposed backup diesel generator. The following section provides an analysis of potential long-term air quality impacts due to regional air quality and local air quality impacts with the on-going operations of the proposed project.

Operations-Related Regional Criteria Pollutant Analysis

The operations-related regional criteria air quality impacts created by the proposed project have been analyzed through use of the CalEEMod model and the input parameters utilized in this analysis have been detailed in Section 8.1. The worst-case summer or winter VOC, NOx, CO, SO_2, PM10, and PM2.5 daily emissions created from the proposed project's long-term operations have been calculated and are summarized below in Table M and the CalEEMod daily emissions printouts are shown in Appendix A.

Table M – Operational Regional Criteria Pollutant Emissions

	Pollutant Emissions (pounds/day)					
Emissions Source	**VOC**	**NOx**	**CO**	**SO_2**	**PM10**	**PM2.5**
Area Sources[1]	2.45	0.03	0.14	<0.00	<0.00	<0.00
Energy Usage[2]	0.03	0.30	0.25	<0.00	0.02	0.02
Mobile Sources[3]	2.65	2.65	24.31	0.05	5.39	1.46
Backup Generator[4]	0.32	0.89	0.81	<0.00	0.05	0.05
Total Emissions	**5.45**	**3.87**	**25.51**	**0.05**	**5.47**	**1.53**
SCQAMD Operational Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Area sources consist of emissions from consumer products, architectural coatings, fire pits, and landscaping equipment.
[2] Energy usage consist of emissions from natural gas usage.
[3] Mobile sources consist of emissions from vehicles and road dust.
[4] The size of the proposed backup generator has not yet been determined. This analysis is based on a 389 Horsepower diesel generator that has a cycling schedule of 30 minutes per week
Source: Calculated from CalEEMod Version 2020.4.0.

The data provided in Table M shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds. Therefore, a less than significant regional air quality impact would occur from operation of the proposed project.

Friant Ranch Case

The operations-related regional criteria air quality impacts In *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (also referred to as "*Friant Ranch*"), the California Supreme Court held that when an EIR concluded that when a project would have significant impacts to air quality impacts, an EIR should "make a reasonable effort to substantively connect a project's air quality impacts to likely health consequences." In order to determine compliance with this Case, the Court developed a multi-part test that includes the following:

1) The air quality discussion shall describe the specific health risks created from each criteria pollutant, including diesel particulate matter.

This Analysis details the specific health risks created from each criteria pollutant above in Section 4.1 and specifically in Table B. In addition, the specific health risks created from diesel particulate matter is detailed above in Section 2.2 of this analysis. As such, this analysis meets the part 1 requirements of the Friant Ranch Case.

2) The analysis shall identify the magnitude of the health risks created from the Project. The Ruling details how to identify the magnitude of the health risks. Specifically, on page 24 of the ruling it states "The Court of Appeal identified several ways in which the EIR could have framed the analysis so as to adequately inform the public and decision makers of possible adverse health effects. The County could have, for example, identified the Project's impact on the days of nonattainment per year."

The Friant Ranch Case found that an EIR's air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As noted in the Brief of Amicus Curiae by the SCAQMD in the Friant Ranch case (https://www.courts.ca.gov/documents/9-s219783-ac-south-coast-air-quality-mgt-dist-041315.pdf) (Brief), SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes. The SCAQMD discusses that it may be infeasible to quantify health risks caused by projects similar to the proposed Project, due to many factors. It is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). The Brief states that it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk, it does not necessarily mean anyone will contract cancer as a result of the Project. The Brief also cites the author of the CARB methodology, which reported that a PM2.5 methodology is not suited for small projects and may yield unreliable results. Similarly, SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NOX or VOC emissions from relatively small projects, due to photochemistry and regional model limitations. The Brief concludes, with respect to the Friant Ranch EIR, that although it may have been technically possible to plug the data into a methodology, the results would not have been reliable or meaningful.

On the other hand, for extremely large regional projects (unlike the proposed project), the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 pounds per day of NOx and 89,180 pounds per day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to ozone. As shown above in Table K, project-related construction activities would generate a maximum of 67.53 pounds per day of VOC and 78.57 pounds per day of NOx and as shown above in Table M, operation of the proposed project would generate 5.45 pounds per day of VOC and 3.87 pounds per day NOx. The proposed Project would not generate anywhere near these levels of 6,620 pounds per day of NOx or 89,190 pounds per day of VOC emissions. Therefore, the proposed project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

Notwithstanding, this analysis does evaluate the proposed project's localized impact to air quality for emissions of CO, NOX, PM10, and PM2.5 by comparing the proposed project's onsite emissions to the SCAQMD's applicable LST thresholds. As evaluated in this analysis, the proposed project would not result in emissions that exceeded the SCAQMD's LSTs. Therefore, the proposed project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NOX, PM10, and PM2.5.

Operations-Related Local Air Quality Impacts

Project-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. The proposed project has been analyzed for the potential local CO emission impacts from the project-generated vehicular trips and from the potential local air quality impacts from on-site operations. The following analyzes the vehicular CO emissions and local impacts from on-site operations.

Local CO Hotspot Impacts from Project-Generated Vehicular Trips

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards of 20 ppm over one hour or 9 ppm over eight hours.

At the time of the 1993 Handbook, the Air Basin was designated nonattainment under the CAAQS and NAAQS for CO. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the Air Basin and in the state have steadily declined. In 2007, the Air Basin was designated in attainment for CO under both the CAAQS and NAAQS. SCAQMD conducted a CO hot spot analysis for attainment at the busiest intersections in Los Angeles during the peak morning and afternoon periods and did not predict a violation of CO standards[1]. Since the nearby intersections to the proposed project are much smaller with less traffic than what was analyzed by the SCAQMD, no local CO Hotspot are anticipated to be created from the proposed project and no CO Hotspot modeling was performed. Therefore, a less than significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

Local Criteria Pollutant Impacts from Onsite Operations

Project-related air emissions from onsite sources such as architectural coatings, landscaping equipment, and onsite usage of natural gas appliances may have the potential to create emissions areas that exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from onsite operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the methodology described in LST Methodology. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from

[1] The four intersections analyzed by the SCAQMD were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning and LOS F in the evening peak hour.

the proposed project could result in a significant impact to the local air quality. Table P shows the onsite emissions from the CalEEMod model that includes area sources, energy usage, backup generator, and vehicles operating in the immediate vicinity of the project site and the calculated emissions thresholds.

Table N – Operations-Related Local Criteria Pollutant Emissions

Onsite Emission Source	Pollutant Emissions (pounds/day)			
	NOx	CO	PM10	PM2.5
Area Sources[1]	<0.00	0.16	<0.00	<0.00
Energy Usage[2]	0.92	0.78	0.07	0.07
Mobile Sources[3]	2.06	6.01	1.83	0.50
Backup Generator[4]	2.06	6.01	1.83	0.50
Total Emissions	**2.99**	**6.95**	**1.90**	**0.57**
SCAQMD Local Operational Thresholds[5]	**197**	**2,387**	**14**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consist of emissions from natural gas usage.
[3] Mobile sources based on 1/8 of the gross vehicular emissions, which is the estimated portion of vehicle emissions occurring within a quarter mile of the project site.
[4] The size of the proposed backup generator has not yet been determined. This analysis is based on a 389 Horsepower diesel generator that has a cycling schedule of 30 minutes per week
[5] The nearest offsite sensitive receptors are guests at the hotel located as near as 10 feet (3 meters) south of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.
Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres in Air Monitoring Area 3, Southwest Coastal LA County.

The data provided in Table P shows that the on-going operations of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, the on-going operations of the proposed project would create a less than significant operations-related impact to local air quality due to onsite emissions and no mitigation would be required.

Therefore, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant.

Level of Significance

Less than significant impact.

10.4 Sensitive Receptors

The proposed project would not expose sensitive receptors to substantial pollutant concentrations. The local concentrations of criteria pollutant emissions produced in the nearby vicinity of the proposed project, which may expose sensitive receptors to substantial concentrations have been calculated above in Section 10.3 for both construction and operations, which are discussed separately below. The discussion below also includes an analysis of the potential impacts from toxic air contaminant emissions.

The nearest sensitive receptors to the project site are guests at the hotel located as near as 10 feet south of the project site. The nearest residents are at the multifamily homes at the northwest corner of Holly Avenue and Indiana Street that are located as near as 1,150 feet northwest of the project site. The nearest school is El Segundo Middle School that is located as near as a half mile west of the project site.

Construction-Related Sensitive Receptor Impacts

The construction activities for the proposed project are anticipated to include demolition of an existing surface parking lot and passive open space area, grading of approximately 4 acres of the project site, building construction of the proposed office building, parking structure, surface parking lot and plaza, paving and site improvements, and application of architectural coatings. Construction activities may expose sensitive receptors to substantial pollutant concentrations of localized criteria pollutant concentrations and from toxic air contaminant emissions created from onsite construction equipment, which are described below.

Local Criteria Pollutant Impacts from Construction

The local air quality impacts from construction of the proposed project has been analyzed above in Section 10.3 and found that the construction of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, construction of the proposed project would create a less than significant construction-related impact to local air quality and no mitigation would be required.

Toxic Air Contaminants Impacts from Construction

The greatest potential for toxic air contaminant emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during construction of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "individual cancer risk". "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. It should be noted that the most current cancer risk assessment methodology recommends analyzing a 30 year exposure period for the nearby sensitive receptors (OEHHA, 2015).

Construction activities for the proposed project would result in the operation of diesel-powered haul trucks and off-road equipment that would operate between 270 feet and 1,000 feet from the nearest homes to the west. As detailed in Section 8.1 above, construction activities would generate up to 83 haul truck trips per day during the grading phase of construction. According to *Health Risk Assessments for Proposed Land Use Project*, prepared by CAPCOA, July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs). Since construction activities would generate less than the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur from construction-related haul trucks.

As detailed in Section 8.1 there would be up to nine pieces of diesel-powered off-road equipment operating simultaneously on the project site during the combined demolition and rough grading phase. All diesel-powered powered equipment would be required to adhere to California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 that regulates emissions from off-road diesel equipment in California. This regulation limits idling of equipment to no more than five minutes, requires equipment operators to label each piece of equipment and provide annual reports to CARB of their fleet's usage and emissions. This regulation also requires systematic upgrading of the emission Tier level of each fleet, and currently no commercial operator is allowed to purchase Tier 0 or Tier 1 equipment and by January 2023 no commercial operator is allowed to purchase Tier 2 equipment. In addition to the purchase restrictions,

equipment operators need to meet fleet average emissions targets that become more stringent each year between years 2014 and 2023. As of January, 2019, 25 percent or more of all contractors' equipment fleets must be Tier 2 or higher. Given the relatively limited number of heavy-duty construction equipment, the varying distances that construction equipment would operate to the nearby sensitive receptors (i.e., 270 feet to 1,000 feet away from the nearest homes), and the short-term construction schedule, the proposed project would not result in a long-term (i.e., 30 or 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project. As such, construction of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations.

Operations-Related Sensitive Receptor Impacts

The on-going operations of the proposed project may expose sensitive receptors to substantial pollutant concentrations from the potential local air quality impacts from onsite operations and from possible toxic air contaminant impacts.

Local Criteria Pollutant Impacts from Onsite Operations

The local air quality impacts from the operation of the proposed project would occur from onsite sources such as architectural coatings, landscaping equipment, and natural gas appliances, as well as from vehicle emissions on the project site and immediate vicinity of the project site. The analysis provided above in Section 10.3 found that the operation of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, the on-going operations of the proposed project would create a less than significant operations-related impact to local air quality due to on-site emissions and no mitigation would be required.

Operations-Related Toxic Air Contaminant Impacts

Particulate matter (PM) from diesel exhaust is the predominant TAC in most areas and according to *The California Almanac of Emissions and Air Quality 2013 Edition*, prepared by CARB, about 80 percent of the outdoor TAC cancer risk is from diesel exhaust. Some chemicals in diesel exhaust, such as benzene and formaldehyde have been listed as carcinogens by State Proposition 65 and the Federal Hazardous Air Pollutants program. The proposed project would generate diesel exhaust from delivery trucks and from the backup generator, which have been analyzed separately below.

Delivery Trucks TAC Emissions

The *Health Risk Assessments for Proposed Land Use Project*, prepared by CAPCOA, July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs). According to the ITE Trip Generation 10th Edition Supplement, Version 2/20/20, for the ITE Land Use 710 – General Office Building, daily truck trips represent 1 percent of the overall trip generation for the proposed project. Since the Traffic Analysis (Fehr and Peers, 2022) found that the proposed project would generate 1,027 gross daily trips, this would result in 10 daily truck trips per day or 5 truck deliveries per day to the project site. Since the proposed project would generate well below the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur from delivery trucks.

Backup Generator TAC Emissions

Operation of the Proposed Project would create TAC emissions from operation of a backup diesel generator. Backup generators typically cycle on for 30 minutes on a weekly basis in order to keep the engine lubricated and ready to use in case of a power outage. The typical cycling of a backup generator would operate for approximately 26 hours per year. SCAQMD Rule 1110.2 exempts emergency standby generators that operate less than 200 hours per year from obtaining an air permit. The SCAQMD has developed the operating hour exemption limits based on levels that were determined to result in the generation of inconsequential emissions from backup generators. As such, the cancer risk created from the backup generator's TAC emissions to the nearby sensitive receptors is anticipated to be negligible. Therefore, through adherence to the backup generator operating time limits detailed in Rule 1110.2, less than significant long-term toxic air contaminant impacts would occur during operation of the backup generator.

Therefore, operation of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations.

Level of Significance

Less than significant impact.

10.5 Odor Emissions

The proposed project would not create objectionable odors affecting a substantial number of people. Individual responses to odors are highly variable and can result in a variety of effects. Generally, the impact of an odor results from a variety of factors such as frequency, duration, offensiveness, location, and sensory perception. The frequency is a measure of how often an individual is exposed to an odor in the ambient environment. The intensity refers to an individual's or group's perception of the odor strength or concentration. The duration of an odor refers to the elapsed time over which an odor is experienced. The offensiveness of the odor is the subjective rating of the pleasantness or unpleasantness of an odor. The location accounts for the type of area in which a potentially affected person lives, works, or visits; the type of activity in which he or she is engaged; and the sensitivity of the impacted receptor.

Sensory perception has four major components: detectability, intensity, character, and hedonic tone. The detection (or threshold) of an odor is based on a panel of responses to the odor. There are two types of thresholds: the odor detection threshold and the recognition threshold. The detection threshold is the lowest concentration of an odor that will elicit a response in a percentage of the people that live and work in the immediate vicinity of the project site and is typically presented as the mean (or 50 percent of the population). The recognition threshold is the minimum concentration that is recognized as having a characteristic odor quality, this is typically represented by recognition by 50 percent of the population. The intensity refers to the perceived strength of the odor. The odor character is what the substance smells like. The hedonic tone is a judgment of the pleasantness or unpleasantness of the odor. The hedonic tone varies in subjective experience, frequency, odor character, odor intensity, and duration. Potential odor impacts have been analyzed separately for construction and operations below.

Construction-Related Odor Impacts

Potential sources that may emit odors during construction activities include the application of coatings such as asphalt pavement, paints and solvents and from emissions from diesel equipment. Standard construction requirements that limit the time of day when construction may occur as well as SCAQMD

Rule 1108 that limits VOC content in asphalt and Rule 1113 that limits the VOC content in paints and solvents would minimize odor impacts from construction. As such, the objectionable odors that may be produced during the construction process would be temporary and would not likely be noticeable for extended periods of time beyond the project site's boundaries. Through compliance with the applicable regulations that reduce odors and due to the transitory nature of construction odors, a less than significant odor impact would occur and no mitigation would be required.

Operations-Related Odor Impacts

Potential sources that may emit odors during the on-going operations of the proposed project would primarily occur from the trash storage areas. Pursuant to City regulations, permanent trash enclosures that protect trash bins from rain as well as limit air circulation would be required for the trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 and City trash storage regulations, no significant impact related to odors would occur during the on-going operations of the proposed project. Therefore, a less than significant odor impact would occur and no mitigation would be required.

Therefore, a less than significant odor impact would occur and no mitigation would be required.

Level of Significance

Less than significant impact.

10.6 Energy Consumption

The proposed project would impact energy resources during construction and operation. Energy resources that would be potentially impacted include electricity, natural gas, and petroleum based fuel supplies and distribution systems. This analysis includes a discussion of the potential energy impacts of the proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy. A general definition of each of these energy resources are provided below.

Electricity, a consumptive utility, is a man-made resource. The production of electricity requires the consumption or conversion of energy resources, including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources, into energy. The delivery of electricity involves a number of system components, including substations and transformers that lower transmission line power (voltage) to a level appropriate for on-site distribution and use. The electricity generated is distributed through a network of transmission and distribution lines commonly called a power grid. Conveyance of electricity through transmission lines is typically responsive to market demands. According to http://www.ecdms.energy.ca.gov/elecbycounty.aspx, in 2020, Los Angeles County consumed 65,650 Gigawatt-hours per year of electricity.

Natural gas is a combustible mixture of simple hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas consumed in California is obtained from naturally occurring reservoirs, mainly located outside the State, and delivered through high-pressure transmission pipelines. The natural gas transportation system is a nationwide network and, therefore, resource availability is typically not an issue. Natural gas satisfies almost one-third of the State's total energy requirements and is used in electricity generation, space heating, cooking, water heating, industrial processes, and as a transportation fuel. Natural gas is measured in terms of cubic feet. According to

http://www.ecdms.energy.ca.gov/gasbycounty.aspx, in 2020, Los Angeles County consumed 2,936.68 Million Therms of natural gas.

Petroleum-based fuels currently account for a majority of the California's transportation energy sources and primarily consist of diesel and gasoline types of fuels. However, the state has been working on developing strategies to reduce petroleum use. Over the last decade California has implemented several policies, rules, and regulations to improve vehicle efficiency, increase the development and use of alternative fuels, reduce air pollutants and GHG emissions from the transportation sector, and reduce vehicle miles traveled (VMT). Accordingly, petroleum-based fuel consumption in California has declined. According to "2010-2017_A15_Results.xlsx" obtained from: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/, in 2017, 3,659 million gallons of gasoline and 300 million gallons of diesel was sold in Los Angeles County.

The following section calculates the potential energy consumption associated with the construction and operations of the proposed project and provides a determination if any energy utilized by the proposed project is wasteful, inefficient, or unnecessary consumption of energy resources.

Construction Energy

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. The proposed project would consume energy resources during construction in three (3) general forms:

1. Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project Site, construction worker travel to and from the Project Site, as well as delivery and haul truck trips (e.g. hauling of demolition material to off-site reuse and disposal facilities);
2. Electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power; and,
3. Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction-Related Electricity

During construction the proposed project would consume electricity to construct the new structures and infrastructure. Electricity would be supplied to the project site by Southern California Edison (SCE) and would be obtained from the existing electrical lines on the project site. The use of electricity from existing power lines rather than temporary diesel or gasoline powered generators would minimize impacts on energy use. Electricity consumed during project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities include electricity associated with the conveyance of water that would be used during project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Overall, construction activities associated with the proposed project would require limited electricity consumption that would not be expected to have an adverse impact on available electricity supplies and infrastructure.

Therefore, the use of electricity during project construction would not be wasteful, inefficient, or unnecessary.

Since SCE already provides power to the project site, it is anticipated that only nominal improvements would be required to SCE distribution lines and equipment with development of the proposed project. Compliance with City's guidelines and requirements would ensure that the proposed project fulfills its responsibilities relative to infrastructure installation, coordinates any electrical infrastructure removals or relocations, and limits any impacts associated with construction of the project. Construction of the project's electrical infrastructure is not anticipated to adversely affect the electrical infrastructure serving the surrounding uses or utility system capacity.

Construction-Related Natural Gas

Construction of the proposed project typically would not involve the consumption of natural gas. Natural gas would not be supplied to support construction activities, thus there would be no demand generated by construction. Since SoCal Gas already provides natural gas to the project site, construction-related activities would be limited to installation of new natural gas connections within the project site. Development of the proposed project would not require extensive infrastructure improvements to serve the project site. Construction-related energy usage impacts associated with the installation of natural gas connections are expected to be confined to trenching in order to place the lines below surface. In addition, prior to ground disturbance, the proposed project would notify and coordinate with SoCalGas to identify the locations and depth of all existing gas lines and avoid disruption of gas service. Therefore, construction-related impacts to natural gas supply and infrastructure would be less than significant.

Construction-Related Petroleum Fuel Use

Petroleum-based fuel usage represents the highest amount of transportation energy potentially consumed during construction, which would utilized by both off-road equipment operating on the project site and on-road automobiles transporting workers to and from the project site and on-road trucks transporting equipment and supplies to the project site.

The off-road construction equipment fuel usage was calculated through use of the off-road equipment assumptions and fuel use assumptions shown above in Section 8.2, which found that the off-road equipment utilized during construction of the proposed project would consume 52,904 gallons of fuel. The on-road construction trips fuel usage was calculated through use of the construction vehicle trip assumptions and fuel use assumptions shown above in Section 8.2, which found that the on-road trips generated from construction of the proposed project would consume 40,837 gallons of fuel. As such, the combined fuel used from off-road construction equipment and on-road construction trips for the proposed project would result in the consumption of 93,742 gallons of petroleum fuel. This equates to 0.0024 percent of the gasoline and diesel consumed in the County of Los Angeles annually. As such, the construction-related petroleum use would be nominal, when compared to current petroleum usage rates.

Construction activities associated with the proposed project would be required to adhere to all State and SCAQMD regulations for off-road equipment and on-road trucks, which provide minimum fuel efficiency standards. As such, construction activities for the proposed project would not result in the wasteful, inefficient, and unnecessary consumption of energy resources. Impacts regarding transportation energy would be less than significant. Development of the proposed project would not result in the need to manufacture construction materials or create new building material facilities specifically to supply the proposed project. It is difficult to measure the energy used in the production of construction materials

such as asphalt, steel, and concrete, it is reasonable to assume that the production of building materials such as concrete, steel, etc., would employ all reasonable energy conservation practices in the interest of minimizing the cost of doing business.

Operational Energy

The on-going operation of the proposed project would require the use of energy resources for multiple purposes including, but not limited to, heating/ventilating/air conditioning (HVAC), refrigeration, lighting, appliances, and electronics. Energy would also be consumed during operations related to water usage, solid waste disposal, landscape equipment and vehicle trips.

Operations-Related Electricity

Operation of the proposed project would result in consumption of electricity at the project site. The proposed project would consume electrical energy for interior and exterior lighting, heating and cooling systems, a variety of electrical appliances and office machinery, electrical vehicle charging infrastructure, and for outdoor irrigation system controls. As detailed above in Section 8.3 the proposed project would consume 1,882,988 kilowatt-hours per year of electricity. This equates to 0.0029 percent of the electricity consumed annually in the County of Los Angeles. As such, the operations-related electricity use would be nominal, when compared to current electricity usage rates in the County.

It should be noted that, the proposed project would comply with all Federal, State, and City requirements related to the consumption of electricity, that includes CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed office building, including enhanced insulation, use of energy efficient lighting and appliances, water and space heating systems, as well as requiring a variety of other energy-efficiency measures to be incorporated into the proposed office building. Therefore, it is anticipated the proposed project will be designed and built to minimize electricity use and that existing and planned electricity capacity and electricity supplies would be sufficient to support the proposed project's electricity demand. Thus, the project would not result in the wasteful or inefficient use of electricity and no mitigation measures would be required.

Operations-Related Natural Gas

Operation of the proposed project would result in increased consumption of natural gas at the project site. As detailed above in Section 8.3 the proposed project would consume 1,087 MBTU per year of natural gas. This equates to 0.0004 percent of the natural gas consumed annually in Los Angeles County. As such, the operations-related natural gas use would be nominal, when compared to current natural gas usage rates in the County.

It should be noted that, the proposed project would comply with all Federal, State, and City requirements related to the consumption of natural gas, that includes CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed project, including enhanced insulation as well as use of efficient natural gas appliances and HVAC units. Therefore, it is anticipated the proposed project will be designed and built to minimize natural gas use and that existing and planned natural gas capacity and natural gas supplies would be sufficient to support the proposed project's natural gas demand. Thus, impacts with regard to natural gas supply and infrastructure capacity would be less than significant and no mitigation measures would be required

Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. Impacts would be less than significant.

Level of Significance

Less than significant impact.

10.7 Energy Plan Consistency

The proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Although the City has not adopted any specific plans that address energy efficiency, the City adopted the El Segundo CAP on December 2017, that has been prepared to help the City comply with the City's GHG emissions reduction goals through implementation of many measures that also result in energy conservation and efficiency. The City's Municipal Code, Section Chapter 11 Green Building Standards Code, requires all development projects in the City to meet the California Green Building Standards Code (CalGreen) building requirements that require the proposed project to implement various energy efficiency design features into the proposed office buildings. The CalGreen building requirements have been detailed above in Section 5.1 of this Report. As such, the proposed project would be designed to meet all applicable State building energy efficiency standards as well as to meet the City's energy efficiency standards. Therefore, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts would be less than significant.

Level of Significance

Less than significant impact.

10.8 Generation of Greenhouse Gas Emissions

The proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. The proposed project would consist of the development of an office building, parking structure, surface parking lot and plaza.

The El Segundo CAP has been prepared to help the City comply with the City's GHG emissions reduction goals as well as State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP states "Within the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan."

In order to show consistency with the CAP, quantification of the proposed project's GHG emissions are not required. However, the proposed project's GHG emissions have been provided for informational purposes only. The project's GHG emissions have been calculated with the CalEEMod model based on the construction and operational parameters detailed above in Section 8.1. A summary of the results is shown below in Table O and the CalEEMod model run is provided in Appendix C.

Table O – Project Related Greenhouse Gas Annual Emissions

Category	Greenhouse Gas Emissions (Metric Tons per Year)			
	CO_2	CH_4	N_2O	CO_2e
Area Sources[1]	0.51	<0.00	<0.00	0.51
Energy Usage[2]	393.35	0.03	<0.00	395.42
Mobile Sources[3]	641.50	0.05	0.03	651.37
Backup Generator[4]	3.85	<0.00	<0.00	3.86
Solid Waste[5]	8.83	0.52	<0.00	21.88
Water and Wastewater[6]	53.80	0.44	0.01	67.94
Construction[7]	28.72	<0.00	<0.00	29.21
Total GHG Emissions	**1,130.55**	**1.04**	**0.04**	**1,170.19**

Notes:
[1] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consists of GHG emissions from electricity and natural gas usage.
[3] Mobile sources consist of GHG emissions from vehicles.
[4] The size of the proposed backup generator has not yet been determined. This analysis is based on a 389 Horsepower diesel generator that has a cycling schedule of 30 minutes per week.
[5] Waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[6] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[7] Construction emissions amortized over 30 years as recommended in the SCAQMD GHG Working Group on November 19, 2009.
Source: CalEEMod Version 2020.4.0.

The data provided in Table O shows that the proposed project would create 1,170.19 $MTCO_2e$ per year. It should be noted that Table O is based on current emission rates from area sources, energy usage, solid waste, water and wastewater sources. Future State regulations, including SB 100 that requires 100 percent of retail sales of electricity to be generated from zero-carbon emissions sources by 2045, which along with other regulations will result in reducing these emissions sources to near zero levels. In addition, the transportation sources only incorporate previously adopted state regulations and do not account for recent state regulations, including the anticipated reductions from Executive Order N-79-20 that requires 100 percent of new passenger vehicles sold in California to be zero-emissions by 2035. The GHG emission reduction strategies provided in the El Segundo CAP would further reduce the GHG emissions shown in Table P.

Level of Significance

Less than significant impact.

10.9 Greenhouse Gas Plan Consistency

The proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing GHG emissions. The applicable plan for the proposed project would be the CAAP. The proposed project's consistency with GHG emissions reduction strategies in the CAAP is shown in Table P.

Table P – Consistency with the El Segundo CAP

Sub-Strategies	Project Consistency
Goal LUT: A – Accelerate the Market for EV Vehicles	
LUT: A1 Electric Vehicle (EV) Parking Policies	**Not Applicable**. This Strategy requires the City to consider to allow reduction of parking spaces in exchange for EV or Neighborhood Electric Vehicle (NEV) parking. The project applicant is not requesting a reduction in parking spaces.
LUT: A1.1 Offer free parking to EVs	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A1.1 Offer reduced-price EV parking	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A1.1 Lower parking minimums for developments provided EV parking	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A2 EV Charging Policies	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.1 Install level 1, 2, and DC 3 charging in city-owned parking lots	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.2 Install charging at city-owned facilities.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.3 Provide on-street level 1 and 2 charging.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.4 Adopt charging standards beyond CalGreen 2016 requirements.	**Not Applicable**. This action is applicable to the City to implement. However, the proposed project is required to meet CalGreen 2016 requirements.
LUT: A2.5 Create policies that encourage facility owners to provide level 1 charging.	**Not Applicable**. This action is applicable to the City to implement. However, the proposed project will include designated EV parking.
LUT: A2.6 Cooperate with regional agencies to expand charging networks.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3 Administrative Redness	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3.1 Offer online permitting to streamline the application process.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3.2 Minimize time to complete inspection.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3.3 Offer inspection within 24 hours of request.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A4 Public Information Projects	**Not Applicable**. This action is applicable to the City to implement.
LUT: A4.1 Publicize EV programs through a variety of media.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A5 Multi-Modal Streets Complete Streets	**Not Applicable**. This action is applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: A5.1 Publicize city charging and parking policies.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A5.2 Provide signage, maps, and information for slow speed vehicles.	**Not Applicable**. This action is applicable to the City to implement.
Goal LUT: B – Encourage Ride-Sharing	
LUT: B1 Facilitate Private and Public Mobility Services (Ride-Hailing, Ride-Sharing, Car-Sharing, Bike-Sharing)	**Not Applicable**. This policy is only applicable to the City to work with private and public services to provide different types of mobility services for sharing.
LUT: B1.1 Facilitate bike-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project provides both short-term and long-term bike parking.
LUT: B1.2 Facilitate car-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project is over parked and the extra parking spaces could be used for a car-sharing use in the future.
LUT: B1.3 Facilitating ride-hailing and ride-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project is over parked and the extra parking spaces could be used for ride-hailing and ride-sharing uses in the future.
LUT: B1.4 Remove barriers to private sector bike and car-sharing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: B1.5 Assist private sector organizations to secure funding.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: B1.6 Conduct a ride/bike sharing study or plan.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: C – Encourage Transit Usage	
LUT: C1 Provide a Bus Rapid Transit (BRT) System	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C1.1 Work with Transit Agency to implement a Bus Rapid Transit System.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C1.2 Work with Transit Agency to add additional bus rapid transit routes.	**Not Applicable**. This policy is only applicable to the City to implement
LUT: C1.3 Collaborate with neighboring cities/SBCCOG for a regional transit system.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2 Expand Transit Network	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.1 Work with Transit Agency to expand bus and rail transit network	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.2 Work with Transit Agency to improve connectivity.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.3 Collaborate with a range of agencies to expand funding for transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.4 Work with Transit Agency to improve transit amenities.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.5 Work with Transit Agency to better accommodate bicycles.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: C2.6 Prioritize funding around transit stations to encourage walking and biking.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.7 Implement first/last mile improvements at stations/destinations.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.8 Introduce a fixed-route transit service in the jurisdiction.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.9 Provide/expand local shuttle services.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.10 Explore programs to offer discounted transit passes.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.11 Fund transit services for elderly and handicap.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C3 Increase Transit Service Frequency and Speed	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C3.1 Work with Transit Agency to increase service frequency and speed.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: D – Adopt Active Transportation Initiatives	
LUT: D1 Provide Traffic Calming Measures	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures in future developments.
LUT: D1.1 Conduct a pedestrian/bicycle study.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will provide an onsite pedestrian and bicycle circulation system and facilities.
LUT: D1.2 Use traffic calming measures on streets where feasible.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures on the project site.
LUT: D1.3 Implement traffic calming measures in future developments.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures on the project site.
LUT: D1.4 Promote traffic calming measures in future developments.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures in future developments.
LUT: D2 Provide Pedestrian/Bicycle Networks Improvements	**Consistent.** The proposed project provides an onsite pedestrian and bicycle circulation system and associated amenities.
LUT: D2.1 Provide pedestrian and bicycle networks.	**Consistent.** The proposed project does provide pedestrian and bicycle circulation.
LUT: D3 Improve Design of Development.	**Consistent.** The proposed project is an improvement over the existing uses on the project site that would result in promoting design of development.
LUT: D3.1 Amend the Bicycle and Pedestrian Master Plan.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide an onsite pedestrian and bicycle circulation system.
LUT: D3.2 Require bicycle parking through the Zoning Code or other implementation documents.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide both short term and long term bicycle parking.

Sub-Strategies	Project Consistency
LUT: D3.3 Require new developments to provide pedestrian, bicycle, and transit amenities.	**Consistent.** The proposed project would provide pedestrian and bicycle amenities.
LUT: D3.4 Amend the zoning ordinance to require shower facilities and dressing areas for new developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.5 Require commercial and multi-family residential projects to provide permanent bicycle parking facilities.	**Consistent.** The proposed project would provide permanent (long-term) bicycle parking locations.
LUT: D3.6 Provide short and long-term bicycle parking near key areas.	**Consistent.** The proposed project would provide both short and long-term bicycle parking on the project site.
LUT: D3.7 Develop appropriate bicycle infrastructure for high traffic intersections and corridors.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide a bicycle circulation system.
LUT: D3.8 Develop appropriate infrastructure within pedestrian sheds of key areas.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.9 Retrofit bicycle racks and parking facilities in underserved areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.10 Create of bicycle lanes, routes, and shared-use paths into street systems, new subdivisions, and large developments.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.11 Improve active transportation networks (Identify gaps/deficiencies and implement projects to address them)	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.12 Construct or improve pedestrian infrastructure around transit.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.13 Develop active transportation networks for Transit-Oriented District station area plans.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.14 Implement policies to minimize conflicts between pedestrians and motorists. Identify pedestrian collision hot spots.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: E – Parking Strategies	
LUT: E1 Limit Parking Supply	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.1 Create parking benefit districts which invest meter revenue in other public amenities.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.2 Reduce/eliminate parking minimums for new developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.3 Reduce/eliminate parking minimums for mixed-use, pedestrian, and transit-oriented developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.4 Implement parking pricing to a downtown area.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E2 Unbundle Parking Cost from Property Costs	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E2.1 Adopt a comprehensive parking policy to unbundle the true cost of providing parking.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: E2.2 Encourage developers of new development to unbundle parking and eliminate the assignment of specific stalls.	**Consistent.** The proposed project parking structure would not assign specific stalls other than for electric and clean air vehicle spaces within the public parking areas.
LUT: E3 Implement On-Street Marking Pricing	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E3.1 Implement on-street parking pricing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E3.2 Change policies to disincentive parking within downtown.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4 Residential Area Parking Permits	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4.1 Institute residential parking programs.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4.2 Institute residential permit parking.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: F – Organizational Strategies	
LUT: F1 Encourage Telecommuting and Alternative Work Schedules	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F1.1 Encourage municipal telecommuting and alternative work schedules (voluntary)	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F1.2 Encourage local employers to implement and alternative work schedules.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2 Implement a Commute Trip Reduction Program	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.1 Establish a commute trip reduction marketing campaign.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.2 Work with local employers encouraging subsidized or discounted transit programs.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.3 Work with local employers to increase carpooling.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.4 Encourage employers to provide vanpool and shuttles from major stations.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.5 Implement a (voluntary) commute trip reduction program.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.6 Implement an employee education program	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F3 Provide Car-Sharing Programs	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F3.1 Implement a car-sharing program	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: G – Land Use Strategies	
LUT: G1 Increase Density	**Consistent.** The proposed project provides higher density.
LUT: G1.1 Encourage higher density through general plan appropriately in targeted areas.	**Consistent.** The proposed project provides higher density in an area general planned appropriately.
LUT: G1.2 Encourage higher density through zoning code appropriately in targeted areas.	**Consistent.** The proposed project is consistent with zoning code for higher density.

Sub-Strategies	Project Consistency
LUT: G1.3 Increase housing density near transit.	**Consistent.** The proposed project provides housing near bus/transit routes.
LUT: G2 Increase Diversity	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.1 Update mixed-use policies in General Plan.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.2 Encourage mixed-use policies through Zoning Code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.3 Encourage transitions from single-family to higher intensity mixed-uses.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.4 Encourage mixed-use and infill development projects in key in-fill areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.5 Revise development standards that act as barriers to mixed-use projects.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.6 Conduct land use/market analysis to identify sites that could support new or expanded neighborhood centers.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.7 Encourage new mixed-use development near transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G3 Increase Destination Accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G3.1 Increase destination accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4 Increase Transit Accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.1 Encourage Transit Accessibility through general plan.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.2 Encourage Transit Accessibility through zoning code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.3 Update travel demand ordinance.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.4 Conduct a public transit gap study.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.5 Provide a shuttle service connecting areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.6 Establish commuter shuttles linking business districts with transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G5 Integrate Affordable and Below-Market Housing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G5.1 Encourage policies that promote a mix of housing types.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6 Develop a NOD Plan	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.1 Amend zoning code or general plan to encourage higher density and smaller scale "Business Establishment Density."	**Consistent.** The proposed project would result in higher density general office uses, when compared to the existing conditions.

Sub-Strategies	Project Consistency
LUT: G6.2 Establish NOD centers in zoning code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.3 Support higher Business Establishment Density with NOD centers.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.4 Encourage business establishment mix that promote walking.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: H – Digital Technology Strategies	
LUT: H1 Collaborate on and Implement the South Bay Digital Master Plan	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.1 Implement the South Bay Digital Master Plan "South Bay Net."	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.2 Implement e-government initiatives.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.3 Develop city-wide area networks to connect public facilities and other key buildings with each other and the South Bay Net.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: A – Increase Energy Efficiency in existing Residential Units	
EE: A1 EE Training, Education and Recognition.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.1 Post links on website/social media and provide materials at Public Events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.2 Email list for email blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.3 Establish an annual EE Fair.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.4 Create a resource center.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.5 Hire/Designate Energy Advocate.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.6 Partner with South Bay Cities Council of Governments and Utilities to obtain educational content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2 Increase Participation in Existing EE Programs	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2.1 Partner with SBCCOG and Utilities for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2.2 Staff outreach to home owners associations (HOAs) and other housing groups.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3 Establish, Promote or Require Home Energy Evaluations.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3.1 Promote home energy audits through programs such as Energy Upgrade California or other State programs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3.2 Establish free "Energy Checkup" program with the assistance of the SBCCOG if funding can be obtained.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EE: A4 Promote, Incentivize or Require Home Energy Renovations	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.1 Promote existing incentivized programs such as Energy Upgrade California.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.2 Develop or promote a green building program.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will be designed to meet the most current CalGreen requirements.
EE: A4.3 Promote Financing Programs such as PACE (Properly Assessed Clean Energy).	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.4 Streamline panel upgrade when it does not involve relocation.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.5 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: B – Increase Energy Efficiency in New Residential Developments	
EE: B1 Increase Energy Efficiency in New Residential Developments.	**Not Applicable**. The proposed project is not new residential development.
EE: B1.1 Educate City staff, developers, etc., on future Title 24 updates and the additional energy efficiency opportunities for new residential development.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: B1.2 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: B1.3 Create an Energy award program for net-zero-net energy homes.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: C – Increase Energy Efficiency in Existing Commercial Units	
EE: C1 EE Training and Education	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.1 Post links on websites/social media and provide materials at public events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.2 Email list for e-mail blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.3 Establish an annual EE fair.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.4 Create a resource center.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.5 Hire/Designate Energy Advocate.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.6 Partner with SBCCOG and Utilities to obtain education content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2 Increase Participation in Existing EE Programs	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2.1 Partner with SBCCOG and Utilities for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2.2 Staff outreach to business groups.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C3 Incentivize or Required Non-Residential Energy Audits	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EE: C3.1 Promote energy audits such as through Energy Upgrade California or other state programs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4 Promote or Require Commercial Energy Retrofits	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.1 Promote existing incentivized programs such as Energy Upgrade California.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.2 Develop or promote a green building program.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.3 Promote Financing Programs such as PACE (Properly Assessed Clean Energy).	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.4 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: D – Increase Energy Efficiency in New Commercial Developments	
EE: D Encourage or Require EE Standards Exceeding Title 24	**Consistent.** The proposed project will be designed to meet or exceed existing Title 24 requirements.
EE: D1.1 Educate City staff, developers, etc., on future Title 24 updates and the additional energy efficiency opportunities for new commercial development.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: D1.2 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: D1.3 Create and energy award program from net-zero-net-energy businesses.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: E – Increase Energy Efficiency through Increased Water Efficiency (WE)	
EE: E1 Promote or Require Water Efficiency Through SB X7-7.	**Not Applicable**. This policy is only applicable to the City to implement. However, the project is required to meet Title 24 Part 11 related to water efficacy.
EE: E1.1 Post links on website/social media and provide materials at public events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E1.2 Email list for e-mail blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E1.3 Require low-irrigation landscaping.	**Consistent.** The proposed project will provide low-irrigation landscaping.
EE: E1.4 Partner with SBCCOG and WBMWD to obtain educational content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E1.5 Partner with SBCCOG and WBMWD for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.1 Staff time dedicated to work with HOAs, businesses, and other groups for outreach.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2 Promoting Water Efficiency Standards Exceeding SB X7-7	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.2 Allow recycled or grey water uses for non-municipal uses.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.3 Promote rainwater rebates and demonstrations.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: F – Decrease Energy Demand through Reducing Urban Heat Island Effect	
EE: F1 Promote Tree Planting for Shading and EE	**Consistent.** The proposed project provides a landscape plan that provides trees for shading.

Sub-Strategies	Project Consistency
EE: F1.1 Encourage tree planting at plan check.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide a landscape plan with planting palette.
EE: F1.2 Work with community to develop a tree-planting group.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F1.3 Develop a city tree planting program.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F2.1 Pass an ordinance requiring or incentivizing cool roofs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F2.2 Pass an ordinance requiring or incentivizing cool pavements.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: G – Participate in Education, Outreach and Planning for Energy Efficiency	
No Sub-Strategies provided for this Goal.	
Goal EE: H – Increase Energy Efficiency in Municipal Buildings	
No Sub-Strategies provided for this Goal.	
Goal EE: I – Increase Energy Efficiency in City Infrastructure	
No Sub-Strategies provided for this Goal.	
Goal SW: A – Increase Diversion and Reduction of Residential Waste	
SW: A1.1 Educate residents about waste reduction and diversion – Provide information to residents about recycling, composting, and source reduction opportunities on the website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: A2.1 Implement collection of green waste for residents – Provide a green waste collection service for residents by expanding current services that offer drop-off site at Public Works yard.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal SW: B – Increase Diversion and Reduction of Commercial Waste	
SW: B1.1 Educate businesses about waste reduction and diversion – Provide information to businesses about recycling, composting, and source reduction opportunities on the website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: B2.1 Implement a Food Scrap Diversion program for businesses – Provide a food waste collection service for businesses.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: B3.1 Require food waste and recycling at special events – Before approving permits, investigate requiring special events' solid waste management plans to include food waste collection and recycling; note- waste planning is required for large venues and events under the CA law AB 2176.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal SW: C – Increase Diversion and Reduction of Overall Community Waste	
SW: C1.1 Investigate the feasibility of setting a Zero Waste goal in a Zero Waste Strategic Plan – If found feasible, develop a comprehensive Zero Waste Plan to achieve 90% diversion of waste from landfills, including strategies to divert waste and tools to track progress.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
SW: C1.2 Investigate the feasibility of setting a goal of diverting waste from landfill by (percentage to be determined when adopting a goal) – If found feasible, develop a comprehensive Waste Plan to achieve by (percentage to be determined when adopting a plan) diversion of waste from landfills, including strategies to divert waste and tools to track progress.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal SW: D – Reduce and Divert Municipal Waste	
SW: D1.1 Implement a Recycle at Work program – educate employees about the benefits of recycling and waste reduction in the work place.	**Consistent.** The proposed project will be required to meet the Cal Recycles standards related to construction and operation of the proposed project.
SW: D1.2 Reduce paper in municipal facilities – Adopt a policy to encourage paper reduction through various activities such as: Reduce margins and logos on templates, letterheads, and memos; Upload bid documents using online resources instead of printing for contractors; Require fewer or smaller-sized copies of project plans; Use electronic devices for meetings; Require double sided printing when feasible.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.3 Reuse materials at municipal facilities – Adopt a policy to re-use, repair, or refurbish office furniture and equipment at a cost savings compared to purchasing new materials; And if not cost saving, re-use or redistribute office items such as supplies, computers, and furniture to community non-profit groups in order to divert from landfill.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.4 Provide additional recycling in public places – Continue to install additional recycling containers in public places such as parks and streets.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.5 Adopt a Municipal Purchasing Policy – Create a purchasing policy for municipal facilities to reduce purchase of disposable items, and require environmentally preferable products to be purchased when possible and reasonable.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.6 Demonstrate composting at a municipal facility – Investigate composting at city facilities and possibly use the compost in environmentally friendly landscaping at facilities or community gardens.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal UG: A – Increase and Maintain Urban Greening in the Community	
UG: A1.1 Establish/maintain a community garden – Create a new or maintain a current community garden.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A1.2 Promote gardening and composting – Provide resources and information regarding community gardens and composting to educate the public on how to grow organic edible plants.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A1.3 Organize tool lending program and bounty exchange – Work with community organizations or neighborhood groups to organize garden-tool lending	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
program and/or a garden bounty exchange program to encourage more community gardens.	
UG: A2.1 Promote rooftop gardens for residential and commercial buildings - Provide informational materials to contractors, homeowners and businesses about the benefits of rooftop gardens.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A3.1 Establish a local farmers market – Work with local organizations to establish farmer markets in the community.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A3.2 Promote farmers market – Promote farmers market to the community through website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal UG: B – Increase and Maintain Urban Greening in Municipal Facilities	
UG: B1.1 Landscape/open space and tree maintenance – Develop a program to conserve open spaces and trees and promote the ability of such resources to remove carbon from the atmosphere.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EGS: A – Support Energy Generation and Storage in the Community	
EGS: A1.1 Investigate the feasibility of Community Choice Aggregation.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A2.1 Accelerate implementation of renewable and alternative energy based technology through permitting process (e.g. reduced permit fees, streamlined permit approval process) – City can identify and remove regulatory barriers or procedural barriers to installing alternative energy technologies in building and development codes, design guidelines, and zoning ordinances; and work with related agencies, such as fire, water, health and others that may have policies or requirements that adversely impact the development or use of renewable energy technologies.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A2.2 Encourage and support on-site installation and use of renewable and alternative energy generation systems for residential, commercial, institutional, and industrial uses.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will be designed to meet Title 24 requirements related to renewable and alternative energy generation systems.
EGS: A3.1 Develop and adopt policies for generating energy from renewable and alternative sources such as solar power (includes PV and thermal), microgrids, energy storage, co-generation, wind, geothermal, biomass, and fuel cells.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A4.1 Work with investor-owned utilities or CCAs and local, regional, and state partners to identify, implement, or promote financial tools to encourage on-site alternative and renewable energy generation projects.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A4.2 Update the City's website to include links to information for renewable and alternative energy rebates, incentives, and case studies.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EGS: A4.3 Promote community awareness to conserve energy in conjunction with using renewable and alternative energy.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A5.1 Explore renewable and alternative energy technologies – Explore renewable and alternative energy technologies including solar photovoltaics (PV), solar thermal, microgrids, energy storage, wind, geothermal, wave/tidal, and fuel cells to increase capacity for municipal operated and owned facilities and properties, and evaluate their suitability.	**Not Applicable**. This policy is only applicable to the City to implement.

Source: City of El Segundo CAP, 2017.

As shown in Table P, with implementation of statewide regulatory requirements including the CalGreen building standards that have been codified in Chapter 11 of the Municipal Code, the proposed project would be consistent with all applicable strategies detailed in the El Segundo CAP. Therefore, implementation of the proposed project would not conflict with any applicable plan that reduces GHG emissions.

Level of Significance

Less than significant impact.

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APPENDIX A

CalEEMod Model Daily Printouts

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1950-1960 East Grand Avenue

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	93.56	1000sqft	0.94	105,469.00	0
Enclosed Parking with Elevator	258.00	Space	0.66	103,200.00	0
Other Non-Asphalt Surfaces	70.66	1000sqft	1.62	70,660.00	0
Parking Lot	23.00	Space	0.78	9,200.00	0
Apartments High Rise	1.00	Dwelling Unit	0.00	0.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total area disturbed 4 acres

Construction Phase - Construction schedule provided by applicant

Trips and VMT - 6 vendor trucks per day added to demolition and grading phases to account for water truck emissions.

Demolition - 3,159 tons of paving debris

Grading - 8,120 cubic yards of export

Vehicle Trips - Weekday Trip Rate set to match Traffic Study

Woodstoves - 2 natural gas only firepits

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water And Wastewater - Apartment set to zero water use

Solid Waste - Apartment set to zero solid waste

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Mobile Land Use Mitigation - 0.075 mile to nearest bus stop and improve pedestrian network onsite and connecting offsite

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements
Waste Mitigation

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

Stationary Sources - Emergency Generators and Fire Pumps - 1 Backup diesel generator 389 hp, 0.5 hr-day, 26 hr-yr

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	16.00
tblConstructionPhase	NumDays	230.00	320.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	8.00	38.00
tblConstructionPhase	NumDays	18.00	16.00
tblFireplaces	NumberGas	0.85	2.00
tblFireplaces	NumberWood	0.05	0.00
tblGrading	MaterialExported	0.00	8,120.00
tblLandUse	LandUseSquareFeet	93,560.00	105,469.00
tblLandUse	LandUseSquareFeet	1,000.00	0.00
tblLandUse	LotAcreage	2.15	0.94
tblLandUse	LotAcreage	2.32	0.66
tblLandUse	LotAcreage	0.21	0.78
tblLandUse	LotAcreage	0.02	0.00
tblSolidWaste	SolidWasteGenerationRate	0.46	0.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblVehicleTrips	SU_TR	3.59	0.00

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	4.45	0.00
tblVehicleTrips	WD_TR	9.74	10.98
tblWater	IndoorWaterUseRate	65,154.03	0.00
tblWater	OutdoorWaterUseRate	41,075.36	0.00
tblWoodstoves	NumberCatalytic	0.05	0.00
tblWoodstoves	NumberNoncatalytic	0.05	0.00

2.0 Emissions Summary

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0741	61.1128	40.0457	0.1272	12.1295	2.3003	14.4298	4.4263	2.1325	6.5587	0.0000	13,030.7359	13,030.7359	2.3123	0.9717	13,378.1243
2023	3.0922	25.2717	33.8804	0.0676	8.3174	1.1533	9.1415	3.7593	1.0778	4.5192	0.0000	6,749.6415	6,749.6415	1.2397	0.5933	6,954.8764
2024	66.3901	16.7354	23.1470	0.0513	1.7877	0.6920	2.4797	0.4810	0.6545	1.1354	0.0000	5,083.3504	5,083.3504	0.6822	0.1620	5,148.6788
Maximum	**66.3901**	**61.1128**	**40.0457**	**0.1272**	**12.1295**	**2.3003**	**14.4298**	**4.4263**	**2.1325**	**6.5587**	**0.0000**	**13,030.7359**	**13,030.7359**	**2.3123**	**0.9717**	**13,378.1243**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0741	61.1128	40.0457	0.1272	5.9201	2.3003	8.2204	2.0512	2.1325	4.1836	0.0000	13,030.7359	13,030.7359	2.3123	0.9717	13,378.1243
2023	3.0922	25.2717	33.8804	0.0676	3.9823	1.1533	4.8064	1.6680	1.0778	2.4279	0.0000	6,749.6415	6,749.6415	1.2397	0.5933	6,954.8764
2024	66.3901	16.7354	23.1470	0.0513	1.7877	0.6920	2.4797	0.4810	0.6545	1.1354	0.0000	5,083.3504	5,083.3504	0.6822	0.1620	5,148.6788
Maximum	**66.3901**	**61.1128**	**40.0457**	**0.1272**	**5.9201**	**2.3003**	**8.2204**	**2.0512**	**2.1325**	**4.1836**	**0.0000**	**13,030.7359**	**13,030.7359**	**2.3123**	**0.9717**	**13,378.1243**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.42**	**0.00**	**40.48**	**51.54**	**0.00**	**36.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Energy	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
Mobile	3.0196	3.0182	30.3462	0.0671	7.0000	0.0479	7.0479	1.8646	0.0444	1.9090		6,953.4943	6,953.4943	0.4491	0.2760	7,046.9699
Stationary	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**5.8168**	**4.2403**	**31.5487**	**0.0706**	**7.0000**	**0.1206**	**7.1206**	**1.8646**	**0.1171**	**1.9817**	**0.0000**	**7,514.0772**	**7,514.0772**	**0.4800**	**0.2833**	**7,610.4946**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Energy	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
Mobile	2.6499	2.4549	24.3056	0.0517	5.3570	0.0376	5.3946	1.4270	0.0349	1.4618		5,356.3435	5,356.3435	0.3692	0.2245	5,432.4873
Stationary	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**5.4471**	**3.6769**	**25.5082**	**0.0552**	**5.3570**	**0.1103**	**5.4673**	**1.4270**	**0.1076**	**1.5345**	**0.0000**	**5,916.9264**	**5,916.9264**	**0.4001**	**0.2318**	**5,996.0119**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.35**	**13.29**	**19.15**	**21.82**	**23.47**	**8.53**	**23.22**	**23.47**	**8.16**	**22.57**	**0.00**	**21.26**	**21.26**	**16.65**	**18.17**	**21.21**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/31/2022	11/29/2022	5	22	
2	Grading	Grading	11/15/2022	1/5/2023	5	38	
3	Building Construction	Building Construction	1/6/2023	3/28/2024	5	320	
4	Paving	Paving	10/6/2023	10/27/2023	5	16	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Architectural Coating	Architectural Coating	2/22/2024	3/14/2024	5	16	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38

Acres of Paving: 3.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,204; Non-Residential Outdoor: 52,735; Striped Parking Area: 10,984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	6.00	312.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	1,015.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0727	0.0000	3.0727	0.4652	0.0000	0.4652			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**3.0727**	**1.2427**	**4.3154**	**0.4652**	**1.1553**	**1.6205**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1244	4.8118	0.9693	0.0185	0.5334	0.0378	0.5712	0.1462	0.0362	0.1824		2,027.8998	2,027.8998	0.1090	0.3218	2,126.5152
Vendor	0.0118	0.2939	0.1008	1.1800e-003	0.0384	2.8000e-003	0.0412	0.0111	2.6800e-003	0.0137		126.2770	126.2770	4.2200e-003	0.0182	131.8051
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	**0.1882**	**5.1437**	**1.6613**	**0.0212**	**0.7395**	**0.0417**	**0.7812**	**0.2017**	**0.0399**	**0.2416**		**2,310.1958**	**2,310.1958**	**0.1174**	**0.3437**	**2,415.5634**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1984	0.0000	1.1984	0.1814	0.0000	0.1814			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.1984**	**1.2427**	**2.4410**	**0.1814**	**1.1553**	**1.3367**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1244	4.8118	0.9693	0.0185	0.5334	0.0378	0.5712	0.1462	0.0362	0.1824		2,027.8998	2,027.8998	0.1090	0.3218	2,126.5152
Vendor	0.0118	0.2939	0.1008	1.1800e-003	0.0384	2.8000e-003	0.0412	0.0111	2.6800e-003	0.0137		126.2770	126.2770	4.2200e-003	0.0182	131.8051
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	**0.1882**	**5.1437**	**1.6613**	**0.0212**	**0.7395**	**0.0417**	**0.7812**	**0.2017**	**0.0399**	**0.2416**		**2,310.1958**	**2,310.1958**	**0.1174**	**0.3437**	**2,415.5634**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1068	0.0000	7.1068	3.4284	0.0000	3.4284			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1068**	**0.9409**	**8.0476**	**3.4284**	**0.8656**	**4.2940**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2344	9.0628	1.8256	0.0349	1.0045	0.0712	1.0758	0.2754	0.0682	0.3435		3,819.4165	3,819.4165	0.2052	0.6061	4,005.1522
Vendor	0.0118	0.2939	0.1008	1.1800e-003	0.0384	2.8000e-003	0.0412	0.0111	2.6800e-003	0.0137		126.2770	126.2770	4.2200e-003	0.0182	131.8051
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	**0.2981**	**9.3946**	**2.5176**	**0.0376**	**1.2106**	**0.0751**	**1.2857**	**0.3309**	**0.0718**	**0.4027**		**4,101.7125**	**4,101.7125**	**0.2136**	**0.6280**	**4,294.2004**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7716	0.0000	2.7716	1.3371	0.0000	1.3371			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.7716**	**0.9409**	**3.7125**	**1.3371**	**0.8656**	**2.2027**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2344	9.0628	1.8256	0.0349	1.0045	0.0712	1.0758	0.2754	0.0682	0.3435		3,819.4165	3,819.4165	0.2052	0.6061	4,005.1522
Vendor	0.0118	0.2939	0.1008	1.1800e-003	0.0384	2.8000e-003	0.0412	0.0111	2.6800e-003	0.0137		126.2770	126.2770	4.2200e-003	0.0182	131.8051
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
Total	**0.2981**	**9.3946**	**2.5176**	**0.0376**	**1.2106**	**0.0751**	**1.2857**	**0.3309**	**0.0718**	**0.4027**		**4,101.7125**	**4,101.7125**	**0.2136**	**0.6280**	**4,294.2004**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1068	0.0000	7.1068	3.4284	0.0000	3.4284			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.1068**	**0.7749**	**7.8817**	**3.4284**	**0.7129**	**4.1413**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0914	6.9408	1.5424	0.0328	1.0046	0.0470	1.0515	0.2754	0.0449	0.3203		3,604.8891	3,604.8891	0.2009	0.5725	3,780.5215
Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122		120.1695	120.1695	4.0300e-003	0.0173	125.4187
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.1464**	**7.2046**	**2.1752**	**0.0354**	**1.2107**	**0.0491**	**1.2598**	**0.3309**	**0.0470**	**0.3779**		**3,876.9505**	**3,876.9505**	**0.2087**	**0.5933**	**4,058.9583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7716	0.0000	2.7716	1.3371	0.0000	1.3371			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.7716**	**0.7749**	**3.5466**	**1.3371**	**0.7129**	**2.0500**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0914	6.9408	1.5424	0.0328	1.0046	0.0470	1.0515	0.2754	0.0449	0.3203		3,604.8891	3,604.8891	0.2009	0.5725	3,780.5215
Vendor	6.9100e-003	0.2303	0.0892	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122		120.1695	120.1695	4.0300e-003	0.0173	125.4187
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.1464**	**7.2046**	**2.1752**	**0.0354**	**1.2107**	**0.0491**	**1.2598**	**0.3309**	**0.0470**	**0.3779**		**3,876.9505**	**3,876.9505**	**0.2087**	**0.5933**	**4,058.9583**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0541	1.8040	0.6989	8.7500e-003	0.3011	9.0700e-003	0.3101	0.0867	8.6700e-003	0.0954		941.3276	941.3276	0.0316	0.1353	982.4462
Worker	0.3555	0.2478	4.0223	0.0110	1.2407	7.4900e-003	1.2482	0.3290	6.8900e-003	0.3359		1,124.0002	1,124.0002	0.0280	0.0256	1,132.3342
Total	**0.4096**	**2.0518**	**4.7212**	**0.0197**	**1.5418**	**0.0166**	**1.5583**	**0.4157**	**0.0156**	**0.4313**		**2,065.3278**	**2,065.3278**	**0.0595**	**0.1610**	**2,114.7804**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0541	1.8040	0.6989	8.7500e-003	0.3011	9.0700e-003	0.3101	0.0867	8.6700e-003	0.0954		941.3276	941.3276	0.0316	0.1353	982.4462
Worker	0.3555	0.2478	4.0223	0.0110	1.2407	7.4900e-003	1.2482	0.3290	6.8900e-003	0.3359		1,124.0002	1,124.0002	0.0280	0.0256	1,132.3342
Total	**0.4096**	**2.0518**	**4.7212**	**0.0197**	**1.5418**	**0.0166**	**1.5583**	**0.4157**	**0.0156**	**0.4313**		**2,065.3278**	**2,065.3278**	**0.0595**	**0.1610**	**2,114.7804**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0525	1.8077	0.6840	8.6100e-003	0.3011	9.1300e-003	0.3102	0.0867	8.7300e-003	0.0954		927.1907	927.1907	0.0317	0.1335	967.7488
Worker	0.3313	0.2213	3.7440	0.0107	1.2407	7.1800e-003	1.2479	0.3290	6.6100e-003	0.3357		1,100.8303	1,100.8303	0.0253	0.0238	1,108.5629
Total	**0.3837**	**2.0290**	**4.4280**	**0.0193**	**1.5418**	**0.0163**	**1.5581**	**0.4157**	**0.0153**	**0.4311**		**2,028.0209**	**2,028.0209**	**0.0570**	**0.1573**	**2,076.3118**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0525	1.8077	0.6840	8.6100e-003	0.3011	9.1300e-003	0.3102	0.0867	8.7300e-003	0.0954		927.1907	927.1907	0.0317	0.1335	967.7488
Worker	0.3313	0.2213	3.7440	0.0107	1.2407	7.1800e-003	1.2479	0.3290	6.6100e-003	0.3357		1,100.8303	1,100.8303	0.0253	0.0238	1,108.5629
Total	**0.3837**	**2.0290**	**4.4280**	**0.0193**	**1.5418**	**0.0163**	**1.5581**	**0.4157**	**0.0153**	**0.4311**		**2,028.0209**	**2,028.0209**	**0.0570**	**0.1573**	**2,076.3118**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.1277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0458**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0640	0.0447	0.7248	1.9800e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.5226	202.5226	5.0400e-003	4.6200e-003	204.0242
Total	**0.0640**	**0.0447**	**0.7248**	**1.9800e-003**	**0.2236**	**1.3500e-003**	**0.2249**	**0.0593**	**1.2400e-003**	**0.0605**		**202.5226**	**202.5226**	**5.0400e-003**	**4.6200e-003**	**204.0242**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.1277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0458**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0640	0.0447	0.7248	1.9800e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.5226	202.5226	5.0400e-003	4.6200e-003	204.0242
Total	**0.0640**	**0.0447**	**0.7248**	**1.9800e-003**	**0.2236**	**1.3500e-003**	**0.2249**	**0.0593**	**1.2400e-003**	**0.0605**		**202.5226**	**202.5226**	**5.0400e-003**	**4.6200e-003**	**204.0242**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.2883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**64.4691**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0657	0.0439	0.7421	2.1200e-003	0.2459	1.4200e-003	0.2473	0.0652	1.3100e-003	0.0665		218.1826	218.1826	5.0200e-003	4.7200e-003	219.7152
Total	**0.0657**	**0.0439**	**0.7421**	**2.1200e-003**	**0.2459**	**1.4200e-003**	**0.2473**	**0.0652**	**1.3100e-003**	**0.0665**		**218.1826**	**218.1826**	**5.0200e-003**	**4.7200e-003**	**219.7152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.2883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**64.4691**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0657	0.0439	0.7421	2.1200e-003	0.2459	1.4200e-003	0.2473	0.0652	1.3100e-003	0.0665		218.1826	218.1826	5.0200e-003	4.7200e-003	219.7152
Total	**0.0657**	**0.0439**	**0.7421**	**2.1200e-003**	**0.2459**	**1.4200e-003**	**0.2473**	**0.0652**	**1.3100e-003**	**0.0665**		**218.1826**	**218.1826**	**5.0200e-003**	**4.7200e-003**	**219.7152**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6499	2.4549	24.3056	0.0517	5.3570	0.0376	5.3946	1.4270	0.0349	1.4618		5,356.3435	5,356.3435	0.3692	0.2245	5,432.4873
Unmitigated	3.0196	3.0182	30.3462	0.0671	7.0000	0.0479	7.0479	1.8646	0.0444	1.9090		6,953.4943	6,953.4943	0.4491	0.2760	7,046.9699

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	4.53	0.00	2,211	1,692
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,027.29	206.77	65.49	2,489,133	1,904,913
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,027.29	211.30	65.49	2,491,344	1,906,605

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Enclosed Parking with Elevator	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
NaturalGas Unmitigated	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	35.7989	3.9000e-004	3.3000e-003	1.4000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2116	4.2116	8.0000e-005	8.0000e-005	4.2367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2979.14	0.0321	0.2921	0.2453	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.4868	350.4868	6.7200e-003	6.4300e-003	352.5696
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0325**	**0.2954**	**0.2467**	**1.7700e-003**		**0.0225**	**0.0225**		**0.0225**	**0.0225**		**354.6985**	**354.6985**	**6.8000e-003**	**6.5100e-003**	**356.8063**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0.0357989	3.9000e-004	3.3000e-003	1.4000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2116	4.2116	8.0000e-005	8.0000e-005	4.2367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.97914	0.0321	0.2921	0.2453	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.4868	350.4868	6.7200e-003	6.4300e-003	352.5696
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0325**	**0.2954**	**0.2467**	**1.7700e-003**		**0.0225**	**0.0225**		**0.0225**	**0.0225**		**354.6985**	**354.6985**	**6.8000e-003**	**6.5100e-003**	**356.8063**

6.0 Area Detail

6.1 Mitigation Measures Area

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Unmitigated	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.8800e-003	0.0332	0.0141	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	42.3529	42.3529	8.1000e-004	7.8000e-004	42.6046
Landscaping	6.6700e-003	1.3600e-003	0.1279	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.2460	0.2460	4.0000e-004		0.2559
Total	**2.4455**	**0.0345**	**0.1420**	**2.2000e-004**		**3.3000e-003**	**3.3000e-003**		**3.3000e-003**	**3.3000e-003**	**0.0000**	**42.5989**	**42.5989**	**1.2100e-003**	**7.8000e-004**	**42.8605**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.8800e-003	0.0332	0.0141	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	42.3529	42.3529	8.1000e-004	7.8000e-004	42.6046
Landscaping	6.6700e-003	1.3600e-003	0.1279	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.2460	0.2460	4.0000e-004		0.2559
Total	**2.4455**	**0.0345**	**0.1420**	**2.2000e-004**		**3.3000e-003**	**3.3000e-003**		**3.3000e-003**	**3.3000e-003**	**0.0000**	**42.5989**	**42.5989**	**1.2100e-003**	**7.8000e-004**	**42.8605**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	389	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**0.3192**	**0.8921**	**0.8139**	**1.5300e-003**		**0.0470**	**0.0470**		**0.0470**	**0.0470**		**163.2855**	**163.2855**	**0.0229**		**163.8578**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1950-1960 East Grand Avenue

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	93.56	1000sqft	0.94	105,469.00	0
Enclosed Parking with Elevator	258.00	Space	0.66	103,200.00	0
Parking Lot	23.00	Space	0.78	9,200.00	0
Other Non-Asphalt Surfaces	70.66	1000sqft	1.62	70,660.00	0
Apartments High Rise	1.00	Dwelling Unit	0.00	0.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total area disturbed 4 acres

Construction Phase - Construction schedule provided by applicant

Trips and VMT - 6 vendor trucks per day added to demolition and grading phases to account for water truck emissions.

Demolition - 3,159 tons of paving debris

Grading - 8,120 cubic yards of export

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Vehicle Trips - Weekday Trip Rate set to match Traffic Study

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Woodstoves - 2 natural gas only firepits

Water And Wastewater - Apartment set to zero water use

Solid Waste - Apartment set to zero solid waste

Stationary Sources - Emergency Generators and Fire Pumps - 1 Backup diesel generator 389 hp, 0.5 hr-day, 26 hr-yr

Mobile Land Use Mitigation - 0.075 mile to nearest bus stop and improve pedestrian network onsite and connecting offsite

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements
Waste Mitigation

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	8.00	38.00
tblConstructionPhase	NumDays	230.00	320.00
tblConstructionPhase	NumDays	18.00	16.00
tblConstructionPhase	NumDays	18.00	16.00
tblConstructionPhase	PhaseEndDate	11/25/2022	11/29/2022
tblConstructionPhase	PhaseEndDate	12/7/2022	1/5/2023
tblConstructionPhase	PhaseEndDate	10/25/2023	3/28/2024
tblConstructionPhase	PhaseEndDate	11/20/2023	10/27/2023
tblConstructionPhase	PhaseEndDate	12/14/2023	3/14/2024
tblConstructionPhase	PhaseStartDate	11/26/2022	11/15/2022
tblConstructionPhase	PhaseStartDate	12/8/2022	1/6/2023
tblConstructionPhase	PhaseStartDate	10/26/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	11/21/2023	2/22/2024
tblFireplaces	NumberGas	0.85	2.00
tblFireplaces	NumberWood	0.05	0.00
tblGrading	MaterialExported	0.00	8,120.00
tblLandUse	LandUseSquareFeet	93,560.00	105,469.00
tblLandUse	LandUseSquareFeet	1,000.00	0.00
tblLandUse	LotAcreage	2.15	0.94

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LotAcreage	2.32	0.66
tblLandUse	LotAcreage	0.21	0.78
tblLandUse	LotAcreage	0.02	0.00
tblSolidWaste	SolidWasteGenerationRate	0.46	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	389.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	26.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblVehicleTrips	SU_TR	3.59	0.00
tblVehicleTrips	WD_TR	9.74	10.98
tblVehicleTrips	WD_TR	4.45	0.00
tblWater	IndoorWaterUseRate	65,154.03	0.00
tblWater	OutdoorWaterUseRate	41,075.36	0.00
tblWoodstoves	NumberCatalytic	0.05	0.00
tblWoodstoves	NumberNoncatalytic	0.05	0.00

2.0 Emissions Summary

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0765	61.6960	39.9823	0.1271	12.1295	2.3004	14.4300	4.4263	2.1326	6.5589	0.0000	13,015.1457	13,015.1457	2.3122	0.9725	13,362.7455
2023	3.1215	25.4433	33.5187	0.0669	8.3174	1.1533	9.1415	3.7593	1.0778	4.5193	0.0000	6,743.6439	6,743.6439	1.2400	0.5938	6,949.0499
2024	66.4191	16.8481	22.8098	0.0507	1.7877	0.6920	2.4797	0.4810	0.6545	1.1355	0.0000	5,015.5223	5,015.5223	0.6825	0.1643	5,081.5396
Maximum	**66.4191**	**61.6960**	**39.9823**	**0.1271**	**12.1295**	**2.3004**	**14.4300**	**4.4263**	**2.1326**	**6.5589**	**0.0000**	**13,015.1457**	**13,015.1457**	**2.3122**	**0.9725**	**13,362.7455**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.0765	61.6960	39.9823	0.1271	5.9201	2.3004	8.2205	2.0512	2.1326	4.1837	0.0000	13,015.1457	13,015.1457	2.3122	0.9725	13,362.7455
2023	3.1215	25.4433	33.5187	0.0669	3.9823	1.1533	4.8064	1.6680	1.0778	2.4279	0.0000	6,743.6439	6,743.6439	1.2400	0.5938	6,949.0499
2024	66.4191	16.8481	22.8098	0.0507	1.7877	0.6920	2.4797	0.4810	0.6545	1.1355	0.0000	5,015.5223	5,015.5223	0.6825	0.1643	5,081.5396
Maximum	**66.4191**	**61.6960**	**39.9823**	**0.1271**	**5.9201**	**2.3004**	**8.2205**	**2.0512**	**2.1326**	**4.1837**	**0.0000**	**13,015.1457**	**13,015.1457**	**2.3122**	**0.9725**	**13,362.7455**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**47.42**	**0.00**	**40.48**	**51.54**	**0.00**	**36.57**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Energy	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
Mobile	2.9646	3.2593	29.7197	0.0642	7.0000	0.0479	7.0479	1.8646	0.0445	1.9090		6,658.3647	6,658.3647	0.4621	0.2882	6,755.7999
Stationary	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**5.7617**	**4.4813**	**30.9223**	**0.0677**	**7.0000**	**0.1206**	**7.1206**	**1.8646**	**0.1172**	**1.9818**	**0.0000**	**7,218.9476**	**7,218.9476**	**0.4930**	**0.2955**	**7,319.3245**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Energy	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
Mobile	2.5889	2.6470	23.9961	0.0494	5.3455	0.0375	5.3831	1.4239	0.0348	1.4587		5,120.3252	5,120.3252	0.3820	0.2343	5,199.7051
Stationary	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**5.3861**	**3.8690**	**25.1987**	**0.0529**	**5.3455**	**0.1102**	**5.4558**	**1.4239**	**0.1075**	**1.5314**	**0.0000**	**5,680.9080**	**5,680.9080**	**0.4129**	**0.2416**	**5,763.2298**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.52**	**13.66**	**18.51**	**21.90**	**23.63**	**8.60**	**23.38**	**23.64**	**8.22**	**22.72**	**0.00**	**21.31**	**21.31**	**16.24**	**18.23**	**21.26**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/31/2022	11/29/2022	5	22	
2	Grading	Grading	11/15/2022	1/5/2023	5	38	
3	Building Construction	Building Construction	1/6/2023	3/28/2024	5	320	
4	Paving	Paving	10/6/2023	10/27/2023	5	16	

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Architectural Coating	Architectural Coating	2/22/2024	3/14/2024	5	16	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38

Acres of Paving: 3.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,204; Non-Residential Outdoor: 52,735; Striped Parking Area: 10,984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	6.00	312.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	1,015.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0727	0.0000	3.0727	0.4652	0.0000	0.4652			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**3.0727**	**1.2427**	**4.3154**	**0.4652**	**1.1553**	**1.6205**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1229	5.0029	0.9785	0.0185	0.5334	0.0379	0.5712	0.1462	0.0362	0.1824		2,028.1818	2,028.1818	0.1089	0.3218	2,126.8118
Vendor	0.0117	0.3060	0.1043	1.1800e-003	0.0384	2.8100e-003	0.0412	0.0111	2.6900e-003	0.0138		126.3244	126.3244	4.2100e-003	0.0182	131.8592
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	**0.1901**	**5.3508**	**1.6255**	**0.0211**	**0.7395**	**0.0417**	**0.7812**	**0.2017**	**0.0399**	**0.2416**		**2,302.2761**	**2,302.2761**	**0.1173**	**0.3441**	**2,407.7430**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1984	0.0000	1.1984	0.1814	0.0000	0.1814			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**1.1984**	**1.2427**	**2.4410**	**0.1814**	**1.1553**	**1.3367**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1229	5.0029	0.9785	0.0185	0.5334	0.0379	0.5712	0.1462	0.0362	0.1824		2,028.1818	2,028.1818	0.1089	0.3218	2,126.8118
Vendor	0.0117	0.3060	0.1043	1.1800e-003	0.0384	2.8100e-003	0.0412	0.0111	2.6900e-003	0.0138		126.3244	126.3244	4.2100e-003	0.0182	131.8592
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	**0.1901**	**5.3508**	**1.6255**	**0.0211**	**0.7395**	**0.0417**	**0.7812**	**0.2017**	**0.0399**	**0.2416**		**2,302.2761**	**2,302.2761**	**0.1173**	**0.3441**	**2,407.7430**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1068	0.0000	7.1068	3.4284	0.0000	3.4284			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.1068**	**0.9409**	**8.0476**	**3.4284**	**0.8656**	**4.2940**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	9.4227	1.8429	0.0349	1.0045	0.0713	1.0758	0.2754	0.0682	0.3436		3,819.9476	3,819.9476	0.2050	0.6062	4,005.7109
Vendor	0.0117	0.3060	0.1043	1.1800e-003	0.0384	2.8100e-003	0.0412	0.0111	2.6900e-003	0.0138		126.3244	126.3244	4.2100e-003	0.0182	131.8592
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	**0.2986**	**9.7706**	**2.4900**	**0.0375**	**1.2106**	**0.0752**	**1.2858**	**0.3309**	**0.0719**	**0.4028**		**4,094.0420**	**4,094.0420**	**0.2135**	**0.6284**	**4,286.6421**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7716	0.0000	2.7716	1.3371	0.0000	1.3371			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.7716**	**0.9409**	**3.7125**	**1.3371**	**0.8656**	**2.2027**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	9.4227	1.8429	0.0349	1.0045	0.0713	1.0758	0.2754	0.0682	0.3436		3,819.9476	3,819.9476	0.2050	0.6062	4,005.7109
Vendor	0.0117	0.3060	0.1043	1.1800e-003	0.0384	2.8100e-003	0.0412	0.0111	2.6900e-003	0.0138		126.3244	126.3244	4.2100e-003	0.0182	131.8592
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
Total	**0.2986**	**9.7706**	**2.4900**	**0.0375**	**1.2106**	**0.0752**	**1.2858**	**0.3309**	**0.0719**	**0.4028**		**4,094.0420**	**4,094.0420**	**0.2135**	**0.6284**	**4,286.6421**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1068	0.0000	7.1068	3.4284	0.0000	3.4284			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.1068**	**0.7749**	**7.8817**	**3.4284**	**0.7129**	**4.1413**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0877	7.2294	1.5541	0.0328	1.0046	0.0470	1.0516	0.2754	0.0450	0.3203		3,606.6967	3,606.6967	0.2007	0.5728	3,782.4152
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122		120.3722	120.3722	4.0100e-003	0.0173	125.6347
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.1460**	**7.5075**	**2.1457**	**0.0353**	**1.2107**	**0.0492**	**1.2599**	**0.3309**	**0.0470**	**0.3779**		**3,870.9529**	**3,870.9529**	**0.2086**	**0.5938**	**4,053.1317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7716	0.0000	2.7716	1.3371	0.0000	1.3371			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**2.7716**	**0.7749**	**3.5466**	**1.3371**	**0.7129**	**2.0500**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0877	7.2294	1.5541	0.0328	1.0046	0.0470	1.0516	0.2754	0.0450	0.3203		3,606.6967	3,606.6967	0.2007	0.5728	3,782.4152
Vendor	6.6700e-003	0.2411	0.0920	1.1200e-003	0.0384	1.1600e-003	0.0396	0.0111	1.1100e-003	0.0122		120.3722	120.3722	4.0100e-003	0.0173	125.6347
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.1460**	**7.5075**	**2.1457**	**0.0353**	**1.2107**	**0.0492**	**1.2599**	**0.3309**	**0.0470**	**0.3779**		**3,870.9529**	**3,870.9529**	**0.2086**	**0.5938**	**4,053.1317**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0523	1.8888	0.7209	8.7600e-003	0.3011	9.1300e-003	0.3102	0.0867	8.7300e-003	0.0954		942.9154	942.9154	0.0314	0.1357	984.1382
Worker	0.3819	0.2737	3.6972	0.0104	1.2407	7.4900e-003	1.2482	0.3290	6.8900e-003	0.3359		1,064.7417	1,064.7417	0.0284	0.0274	1,073.6055
Total	**0.4342**	**2.1625**	**4.4181**	**0.0192**	**1.5418**	**0.0166**	**1.5584**	**0.4157**	**0.0156**	**0.4314**		**2,007.6571**	**2,007.6571**	**0.0598**	**0.1631**	**2,057.7437**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0523	1.8888	0.7209	8.7600e-003	0.3011	9.1300e-003	0.3102	0.0867	8.7300e-003	0.0954		942.9154	942.9154	0.0314	0.1357	984.1382
Worker	0.3819	0.2737	3.6972	0.0104	1.2407	7.4900e-003	1.2482	0.3290	6.8900e-003	0.3359		1,064.7417	1,064.7417	0.0284	0.0274	1,073.6055
Total	**0.4342**	**2.1625**	**4.4181**	**0.0192**	**1.5418**	**0.0166**	**1.5584**	**0.4157**	**0.0156**	**0.4314**		**2,007.6571**	**2,007.6571**	**0.0598**	**0.1631**	**2,057.7437**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0505	1.8927	0.7057	8.6200e-003	0.3011	9.1800e-003	0.3102	0.0867	8.7800e-003	0.0955		928.7874	928.7874	0.0315	0.1338	969.4466
Worker	0.3571	0.2444	3.4444	0.0101	1.2407	7.1800e-003	1.2479	0.3290	6.6100e-003	0.3357		1,042.8893	1,042.8893	0.0257	0.0254	1,051.1125
Total	**0.4076**	**2.1370**	**4.1501**	**0.0187**	**1.5418**	**0.0164**	**1.5581**	**0.4157**	**0.0154**	**0.4311**		**1,971.6766**	**1,971.6766**	**0.0572**	**0.1592**	**2,020.5591**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0505	1.8927	0.7057	8.6200e-003	0.3011	9.1800e-003	0.3102	0.0867	8.7800e-003	0.0955		928.7874	928.7874	0.0315	0.1338	969.4466
Worker	0.3571	0.2444	3.4444	0.0101	1.2407	7.1800e-003	1.2479	0.3290	6.6100e-003	0.3357		1,042.8893	1,042.8893	0.0257	0.0254	1,051.1125
Total	**0.4076**	**2.1370**	**4.1501**	**0.0187**	**1.5418**	**0.0164**	**1.5581**	**0.4157**	**0.0154**	**0.4311**		**1,971.6766**	**1,971.6766**	**0.0572**	**0.1592**	**2,020.5591**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.1277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0458**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**		**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0493	0.6662	1.8700e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		191.8453	191.8453	5.1100e-003	4.9300e-003	193.4424
Total	**0.0688**	**0.0493**	**0.6662**	**1.8700e-003**	**0.2236**	**1.3500e-003**	**0.2249**	**0.0593**	**1.2400e-003**	**0.0605**		**191.8453**	**191.8453**	**5.1100e-003**	**4.9300e-003**	**193.4424**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.1277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0458**	**8.7903**	**12.1905**	**0.0189**		**0.4357**	**0.4357**		**0.4025**	**0.4025**	**0.0000**	**1,805.4304**	**1,805.4304**	**0.5673**		**1,819.6122**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0493	0.6662	1.8700e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		191.8453	191.8453	5.1100e-003	4.9300e-003	193.4424
Total	**0.0688**	**0.0493**	**0.6662**	**1.8700e-003**	**0.2236**	**1.3500e-003**	**0.2249**	**0.0593**	**1.2400e-003**	**0.0605**		**191.8453**	**191.8453**	**5.1100e-003**	**4.9300e-003**	**193.4424**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.2883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**64.4691**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0708	0.0484	0.6827	2.0000e-003	0.2459	1.4200e-003	0.2473	0.0652	1.3100e-003	0.0665		206.6988	206.6988	5.0900e-003	5.0400e-003	208.3286
Total	**0.0708**	**0.0484**	**0.6827**	**2.0000e-003**	**0.2459**	**1.4200e-003**	**0.2473**	**0.0652**	**1.3100e-003**	**0.0665**		**206.6988**	**206.6988**	**5.0900e-003**	**5.0400e-003**	**208.3286**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.2883					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**64.4691**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0708	0.0484	0.6827	2.0000e-003	0.2459	1.4200e-003	0.2473	0.0652	1.3100e-003	0.0665		206.6988	206.6988	5.0900e-003	5.0400e-003	208.3286
Total	**0.0708**	**0.0484**	**0.6827**	**2.0000e-003**	**0.2459**	**1.4200e-003**	**0.2473**	**0.0652**	**1.3100e-003**	**0.0665**		**206.6988**	**206.6988**	**5.0900e-003**	**5.0400e-003**	**208.3286**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5889	2.6470	23.9961	0.0494	5.3455	0.0375	5.3831	1.4239	0.0348	1.4587		5,120.3252	5,120.3252	0.3820	0.2343	5,199.7051
Unmitigated	2.9646	3.2593	29.7197	0.0642	7.0000	0.0479	7.0479	1.8646	0.0445	1.9090		6,658.3647	6,658.3647	0.4621	0.2882	6,755.7999

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,027.29	206.77	65.49	2,489,133	1,900,827
Parking Lot	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Apartments High Rise	0.00	4.53	0.00	2,211	1,689
Total	1,027.29	211.30	65.49	2,491,344	1,902,516

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Apartments High Rise	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063
NaturalGas Unmitigated	0.0325	0.2954	0.2467	1.7700e-003		0.0225	0.0225		0.0225	0.0225		354.6985	354.6985	6.8000e-003	6.5000e-003	356.8063

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	35.7989	3.9000e-004	3.3000e-003	1.4000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2116	4.2116	8.0000e-005	8.0000e-005	4.2367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2979.14	0.0321	0.2921	0.2453	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.4868	350.4868	6.7200e-003	6.4300e-003	352.5696
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0325**	**0.2954**	**0.2467**	**1.7700e-003**		**0.0225**	**0.0225**		**0.0225**	**0.0225**		**354.6985**	**354.6985**	**6.8000e-003**	**6.5100e-003**	**356.8063**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0.0357989	3.9000e-004	3.3000e-003	1.4000e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		4.2116	4.2116	8.0000e-005	8.0000e-005	4.2367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.97914	0.0321	0.2921	0.2453	1.7500e-003		0.0222	0.0222		0.0222	0.0222		350.4868	350.4868	6.7200e-003	6.4300e-003	352.5696
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0325**	**0.2954**	**0.2467**	**1.7700e-003**		**0.0225**	**0.0225**		**0.0225**	**0.0225**		**354.6985**	**354.6985**	**6.8000e-003**	**6.5100e-003**	**356.8063**

6.0 Area Detail

6.1 Mitigation Measures Area

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605
Unmitigated	2.4455	0.0345	0.1420	2.2000e-004		3.3000e-003	3.3000e-003		3.3000e-003	3.3000e-003	0.0000	42.5989	42.5989	1.2100e-003	7.8000e-004	42.8605

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.8800e-003	0.0332	0.0141	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	42.3529	42.3529	8.1000e-004	7.8000e-004	42.6046
Landscaping	6.6700e-003	1.3600e-003	0.1279	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.2460	0.2460	4.0000e-004		0.2559
Total	**2.4455**	**0.0345**	**0.1420**	**2.2000e-004**		**3.3000e-003**	**3.3000e-003**		**3.3000e-003**	**3.3000e-003**	**0.0000**	**42.5989**	**42.5989**	**1.2100e-003**	**7.8000e-004**	**42.8605**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1531					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.8800e-003	0.0332	0.0141	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003	0.0000	42.3529	42.3529	8.1000e-004	7.8000e-004	42.6046
Landscaping	6.6700e-003	1.3600e-003	0.1279	1.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004		0.2460	0.2460	4.0000e-004		0.2559
Total	**2.4455**	**0.0345**	**0.1420**	**2.2000e-004**		**3.3000e-003**	**3.3000e-003**		**3.3000e-003**	**3.3000e-003**	**0.0000**	**42.5989**	**42.5989**	**1.2100e-003**	**7.8000e-004**	**42.8605**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	389	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.3192	0.8921	0.8139	1.5300e-003		0.0470	0.0470		0.0470	0.0470		163.2855	163.2855	0.0229		163.8578
Total	**0.3192**	**0.8921**	**0.8139**	**1.5300e-003**		**0.0470**	**0.0470**		**0.0470**	**0.0470**		**163.2855**	**163.2855**	**0.0229**		**163.8578**

11.0 Vegetation

APPENDIX B

EMFAC2017 Model Printouts

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
SOUTH CO.	2022	HHDT	Aggregate	Aggregate	GAS	77.19581	7790.40352	1544.534	1.875688287
SOUTH CO.	2022	LDA	Aggregate	Aggregate	GAS	6370883	246404319.3	30101253	7989.700531
SOUTH CO.	2022	LDT1	Aggregate	Aggregate	GAS	716397.4	26563674.69	3305301	1003.18171
SOUTH CO.	2022	LDT2	Aggregate	Aggregate	GAS	2182002	82381240.23	10234301	3339.886942
SOUTH CO.	2022	LHDT1	Aggregate	Aggregate	GAS	171358.6	6138928.512	2552988	583.2281345
SOUTH CO.	2022	LHDT2	Aggregate	Aggregate	GAS	29049.29	1009215.767	432791.1	110.1260053
SOUTH CO.	2022	MCY	Aggregate	Aggregate	GAS	288756.3	1994249.265	577512.7	54.92216124
SOUTH CO.	2022	MDV	Aggregate	Aggregate	GAS	1530646	54105469.86	7077024	2704.447563
SOUTH CO.	2022	MH	Aggregate	Aggregate	GAS	34090.76	324253.0827	3410.439	62.96118679
SOUTH CO.	2022	MHDT	Aggregate	Aggregate	GAS	24783.34	1316472.619	495865	259.391887
SOUTH CO.	2022	OBUS	Aggregate	Aggregate	GAS	5832.051	240794.901	116687.7	47.77312679
SOUTH CO.	2022	SBUS	Aggregate	Aggregate	GAS	2563.073	102707.6059	10252.29	11.26572543
SOUTH CO.	2022	UBUS	Aggregate	Aggregate	GAS	952.146	89255.99818	3808.584	18.40085629

vehicle miles per day (All Categories)	420678372	16,187	1,000 gall per day
		16,187,162	gallons per day
Fleet Avg Miles per gallon	26.0		

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
SOUTH CO	2022	HHDT	Aggregate	Aggregate	DSL	98507.93	11795119.18	994224.5278	1762.986535
SOUTH CO	2022	LDA	Aggregate	Aggregate	DSL	57443	2304136.238	272823.0302	47.39159146
SOUTH CO	2022	LDT1	Aggregate	Aggregate	DSL	378.1209	8809.098622	1319.110799	0.391172549
SOUTH CO	2022	LDT2	Aggregate	Aggregate	DSL	13854.2	592642.9638	68308.95137	16.65070839
SOUTH CO	2022	LHDT1	Aggregate	Aggregate	DSL	115788.9	4681447.455	1456478.318	217.1134019
SOUTH CO	2022	LHDT2	Aggregate	Aggregate	DSL	45909.32	1809192.293	577481.5034	92.8866097
SOUTH CO	2022	MDV	Aggregate	Aggregate	DSL	32417.61	1305872.927	158948.6889	47.80332863
SOUTH CO	2022	MH	Aggregate	Aggregate	DSL	12198.84	117488.268	1219.883938	11.12023591
SOUTH CO	2022	MHDT	Aggregate	Aggregate	DSL	119796	7716034.126	1201941.571	720.1602731
SOUTH CO	2022	OBUS	Aggregate	Aggregate	DSL	4149.674	316404.315	40441.57981	37.45917989
SOUTH CO	2022	SBUS	Aggregate	Aggregate	DSL	6354.465	200786.3158	73329.64442	26.4174734
SOUTH CO	2022	UBUS	Aggregate	Aggregate	DSL	14.14142	1478.085683	56.56567323	0.246796198

Diesel Truck (HHDT, MDV, MHDT) vehicle miles per day	20,817,026	2,531	1,000 gall per day
		2,530,950	gallons per day
Diesel Truck Fleet Avg Miles per gallon	8.2		

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
SOUTH CO	2024	HHDT	Aggregate	Aggregate	GAS	73.4	8361	1468	1.9
SOUTH CO	2024	LDA	Aggregate	Aggregate	GAS	6543321.5	247047080	30912773	7604.7
SOUTH CO	2024	LDT1	Aggregate	Aggregate	GAS	758038.3	27517267	3506784	990.1
SOUTH CO	2024	LDT2	Aggregate	Aggregate	GAS	2256847.0	83361536	10593017	3162.7
SOUTH CO	2024	LHDT1	Aggregate	Aggregate	GAS	169468.4	5984463	2524826	556.7
SOUTH CO	2024	LHDT2	Aggregate	Aggregate	GAS	29259.5	998729	435923	106.8
SOUTH CO	2024	MCY	Aggregate	Aggregate	GAS	306168.3	2050950	612337	56.8
SOUTH CO	2024	MDV	Aggregate	Aggregate	GAS	1550012.1	53715244	7176828	2521.8
SOUTH CO	2024	MH	Aggregate	Aggregate	GAS	33327.2	318279	3334	60.1
SOUTH CO	2024	MHDT	Aggregate	Aggregate	GAS	25072.2	1303434	501644	250.5
SOUTH CO	2024	OBUS	Aggregate	Aggregate	GAS	5824.2	231713	116530	44.8
SOUTH CO	2024	SBUS	Aggregate	Aggregate	GAS	2862.3	111917	11449	12.1
SOUTH CO	2024	UBUS	Aggregate	Aggregate	GAS	963.4	90309	3854	17.1

vehicle miles per day (All Categories)	422739281	15,386	1,000 gall per day
		15,386,053	gallons per day

Fleet Avg Miles per gallon 27.5

APPENDIX C

CalEEMod Model Annual Printouts

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1950-1960 East Grand Avenue

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	93.56	1000sqft	0.94	105,469.00	0
Enclosed Parking with Elevator	258.00	Space	0.66	103,200.00	0
Other Non-Asphalt Surfaces	70.66	1000sqft	1.62	70,660.00	0
Parking Lot	23.00	Space	0.78	9,200.00	0
Apartments High Rise	1.00	Dwelling Unit	0.00	0.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total area disturbed 4 acres

Construction Phase - Construction schedule provided by applicant

Trips and VMT - 6 vendor trucks per day added to demolition and grading phases to account for water truck emissions.

Demolition - 3,159 tons of paving debris

Grading - 8,120 cubic yards of export

Vehicle Trips - Weekday Trip Rate set to match Traffic Study

Woodstoves - 2 natural gas only firepits

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water And Wastewater - Apartment set to zero water use

Solid Waste - Apartment set to zero solid waste

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Mobile Land Use Mitigation - 0.075 mile to nearest bus stop and improve pedestrian network onsite and connecting offsite

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements
Waste Mitigation

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

Stationary Sources - Emergency Generators and Fire Pumps - 1 Backup diesel generator 389 hp, 0.5 hr-day, 26 hr-yr

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	16.00
tblConstructionPhase	NumDays	230.00	320.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	8.00	38.00
tblConstructionPhase	NumDays	18.00	16.00
tblFireplaces	NumberGas	0.85	2.00
tblFireplaces	NumberWood	0.05	0.00
tblGrading	MaterialExported	0.00	8,120.00
tblLandUse	LandUseSquareFeet	93,560.00	105,469.00
tblLandUse	LandUseSquareFeet	1,000.00	0.00
tblLandUse	LotAcreage	2.15	0.94
tblLandUse	LotAcreage	2.32	0.66
tblLandUse	LotAcreage	0.21	0.78
tblLandUse	LotAcreage	0.02	0.00
tblSolidWaste	SolidWasteGenerationRate	0.46	0.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	HaulingTripLength	20.00	43.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblVehicleTrips	SU_TR	3.59	0.00

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	4.45	0.00
tblVehicleTrips	WD_TR	9.74	10.98
tblWater	IndoorWaterUseRate	65,154.03	0.00
tblWater	OutdoorWaterUseRate	41,075.36	0.00
tblWoodstoves	NumberCatalytic	0.05	0.00
tblWoodstoves	NumberNoncatalytic	0.05	0.00

2.0 Emissions Summary

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0693	0.8657	0.5465	1.8000e-003	0.1850	0.0314	0.2164	0.0714	0.0291	0.1004	0.0000	167.8448	167.8448	0.0293	0.0131	172.4885
2023	0.2658	2.2413	2.7922	6.2200e-003	0.2304	0.0968	0.3272	0.0623	0.0910	0.1533	0.0000	558.3292	558.3292	0.0838	0.0201	566.4073
2024	0.5755	0.5091	0.6727	1.5100e-003	0.0503	0.0207	0.0710	0.0136	0.0195	0.0330	0.0000	135.4184	135.4184	0.0194	4.6700e-003	137.2932
Maximum	**0.5755**	**2.2413**	**2.7922**	**6.2200e-003**	**0.2304**	**0.0968**	**0.3272**	**0.0714**	**0.0910**	**0.1533**	**0.0000**	**558.3292**	**558.3292**	**0.0838**	**0.0201**	**566.4073**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0693	0.8657	0.5465	1.8000e-003	0.0894	0.0314	0.1208	0.0325	0.0291	0.0616	0.0000	167.8447	167.8447	0.0293	0.0131	172.4884
2023	0.2658	2.2413	2.7922	6.2200e-003	0.2105	0.0968	0.3073	0.0569	0.0910	0.1479	0.0000	558.3289	558.3289	0.0838	0.0201	566.4070
2024	0.5755	0.5091	0.6727	1.5100e-003	0.0503	0.0207	0.0710	0.0136	0.0195	0.0330	0.0000	135.4183	135.4183	0.0194	4.6700e-003	137.2931
Maximum	**0.5755**	**2.2413**	**2.7922**	**6.2200e-003**	**0.2105**	**0.0968**	**0.3073**	**0.0569**	**0.0910**	**0.1479**	**0.0000**	**558.3289**	**558.3289**	**0.0838**	**0.0201**	**566.4070**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**24.81**	**0.00**	**18.80**	**30.04**	**0.00**	**15.42**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**10-31-2022**	**1-30-2023**	1.1294	1.1294
2	**1-31-2023**	**4-29-2023**	0.5884	0.5884
3	**4-30-2023**	**7-30-2023**	0.6052	0.6052
4	**7-31-2023**	**10-30-2023**	0.6849	0.6849
5	**10-31-2023**	**1-30-2024**	0.5979	0.5979
6	**1-31-2024**	**4-29-2024**	0.8787	0.8787
		Highest	1.1294	1.1294

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4453	5.8000e-004	0.0162	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.5082	0.5082	5.0000e-005	1.0000e-005	0.5122
Energy	5.9300e-003	0.0539	0.0450	3.2000e-004		4.1000e-003	4.1000e-003		4.1000e-003	4.1000e-003	0.0000	393.3470	393.3470	0.0294	4.5000e-003	395.4222
Mobile	0.3975	0.4507	4.0886	8.8500e-003	0.9360	6.5200e-003	0.9425	0.2497	6.0500e-003	0.2558	0.0000	832.5477	832.5477	0.0569	0.0359	844.6580
Stationary	8.3000e-003	0.0232	0.0212	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.8514	3.8514	5.4000e-004	0.0000	3.8649
Waste						0.0000	0.0000		0.0000	0.0000	17.6622	0.0000	17.6622	1.0438	0.0000	43.7575
Water						0.0000	0.0000		0.0000	0.0000	5.2755	58.4805	63.7560	0.5468	0.0134	81.4166
Total	**0.8570**	**0.5284**	**4.1709**	**9.2100e-003**	**0.9360**	**0.0120**	**0.9480**	**0.2497**	**0.0115**	**0.2612**	**22.9378**	**1,288.7347**	**1,311.6724**	**1.6774**	**0.0538**	**1,369.6313**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4453	5.8000e-004	0.0162	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.5082	0.5082	5.0000e-005	1.0000e-005	0.5122
Energy	5.9300e-003	0.0539	0.0450	3.2000e-004		4.1000e-003	4.1000e-003		4.1000e-003	4.1000e-003	0.0000	393.3470	393.3470	0.0294	4.5000e-003	395.4222
Mobile	0.3466	0.3658	3.2997	6.8200e-003	0.7163	5.1200e-003	0.7214	0.1911	4.7500e-003	0.1959	0.0000	641.5013	641.5013	0.0470	0.0292	651.3684
Stationary	8.3000e-003	0.0232	0.0212	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.8514	3.8514	5.4000e-004	0.0000	3.8649
Waste						0.0000	0.0000		0.0000	0.0000	8.8311	0.0000	8.8311	0.5219	0.0000	21.8787
Water						0.0000	0.0000		0.0000	0.0000	4.2204	49.5756	53.7961	0.4377	0.0107	67.9390
Total	**0.8061**	**0.4435**	**3.3821**	**7.1800e-003**	**0.7163**	**0.0106**	**0.7269**	**0.1911**	**0.0102**	**0.2013**	**13.0516**	**1,088.7834**	**1,101.8350**	**1.0366**	**0.0444**	**1,140.9853**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.94**	**16.06**	**18.91**	**22.04**	**23.47**	**11.72**	**23.32**	**23.47**	**11.32**	**22.94**	**43.10**	**15.52**	**16.00**	**38.21**	**17.39**	**16.69**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/31/2022	11/29/2022	5	22	
2	Grading	Grading	11/15/2022	1/5/2023	5	38	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3	Building Construction	Building Construction	1/6/2023	3/28/2024	5	320	
4	Paving	Paving	10/6/2023	10/27/2023	5	16	
5	Architectural Coating	Architectural Coating	2/22/2024	3/14/2024	5	16	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38

Acres of Paving: 3.06

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 158,204; Non-Residential Outdoor: 52,735; Striped Parking Area: 10,984 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	6.00	312.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	1,015.00	14.70	6.90	43.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0338	0.0000	0.0338	5.1200e-003	0.0000	5.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0290	0.2829	0.2265	4.3000e-004		0.0137	0.0137		0.0127	0.0127	0.0000	37.3893	37.3893	0.0105	0.0000	37.6518
Total	**0.0290**	**0.2829**	**0.2265**	**4.3000e-004**	**0.0338**	**0.0137**	**0.0475**	**5.1200e-003**	**0.0127**	**0.0178**	**0.0000**	**37.3893**	**37.3893**	**0.0105**	**0.0000**	**37.6518**

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3600e-003	0.0559	0.0107	2.0000e-004	5.7700e-003	4.2000e-004	6.1800e-003	1.5800e-003	4.0000e-004	1.9800e-003	0.0000	20.2377	20.2377	1.0900e-003	3.2100e-003	21.2218
Vendor	1.3000e-004	3.3900e-003	1.1300e-003	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.2603	1.2603	4.0000e-005	1.8000e-004	1.3156
Worker	5.7000e-004	4.7000e-004	6.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4967	1.4967	4.0000e-005	4.0000e-005	1.5098
Total	**2.0600e-003**	**0.0597**	**0.0180**	**2.3000e-004**	**8.0000e-003**	**4.6000e-004**	**8.4500e-003**	**2.1800e-003**	**4.4000e-004**	**2.6200e-003**	**0.0000**	**22.9946**	**22.9946**	**1.1700e-003**	**3.4300e-003**	**24.0472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0132	0.0000	0.0132	2.0000e-003	0.0000	2.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0290	0.2829	0.2265	4.3000e-004		0.0137	0.0137		0.0127	0.0127	0.0000	37.3892	37.3892	0.0105	0.0000	37.6518
Total	**0.0290**	**0.2829**	**0.2265**	**4.3000e-004**	**0.0132**	**0.0137**	**0.0269**	**2.0000e-003**	**0.0127**	**0.0147**	**0.0000**	**37.3892**	**37.3892**	**0.0105**	**0.0000**	**37.6518**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3600e-003	0.0559	0.0107	2.0000e-004	5.7700e-003	4.2000e-004	6.1800e-003	1.5800e-003	4.0000e-004	1.9800e-003	0.0000	20.2377	20.2377	1.0900e-003	3.2100e-003	21.2218
Vendor	1.3000e-004	3.3900e-003	1.1300e-003	1.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	1.2603	1.2603	4.0000e-005	1.8000e-004	1.3156
Worker	5.7000e-004	4.7000e-004	6.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4967	1.4967	4.0000e-005	4.0000e-005	1.5098
Total	**2.0600e-003**	**0.0597**	**0.0180**	**2.3000e-004**	**8.0000e-003**	**4.6000e-004**	**8.4500e-003**	**2.1800e-003**	**4.4000e-004**	**2.6200e-003**	**0.0000**	**22.9946**	**22.9946**	**1.1700e-003**	**3.4300e-003**	**24.0472**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1230	0.0000	0.1230	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3545	0.2596	5.0000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	44.2931	44.2931	0.0143	0.0000	44.6512
Total	**0.0331**	**0.3545**	**0.2596**	**5.0000e-004**	**0.1230**	**0.0160**	**0.1390**	**0.0585**	**0.0147**	**0.0732**	**0.0000**	**44.2931**	**44.2931**	**0.0143**	**0.0000**	**44.6512**

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9600e-003	0.1626	0.0312	5.9000e-004	0.0168	1.2100e-003	0.0180	4.6100e-003	1.1600e-003	5.7700e-003	0.0000	58.9070	58.9070	3.1600e-003	9.3500e-003	61.7717
Vendor	2.0000e-004	5.2500e-003	1.7400e-003	2.0000e-005	6.4000e-004	5.0000e-005	6.9000e-004	1.9000e-004	5.0000e-005	2.3000e-004	0.0000	1.9478	1.9478	7.0000e-005	2.8000e-004	2.0331
Worker	8.7000e-004	7.3000e-004	9.4700e-003	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3130	2.3130	7.0000e-005	6.0000e-005	2.3334
Total	**5.0300e-003**	**0.1685**	**0.0424**	**6.4000e-004**	**0.0202**	**1.2800e-003**	**0.0215**	**5.5400e-003**	**1.2300e-003**	**6.7600e-003**	**0.0000**	**63.1678**	**63.1678**	**3.3000e-003**	**9.6900e-003**	**66.1382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0480	0.0000	0.0480	0.0228	0.0000	0.0228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3545	0.2596	5.0000e-004		0.0160	0.0160		0.0147	0.0147	0.0000	44.2931	44.2931	0.0143	0.0000	44.6512
Total	**0.0331**	**0.3545**	**0.2596**	**5.0000e-004**	**0.0480**	**0.0160**	**0.0640**	**0.0228**	**0.0147**	**0.0375**	**0.0000**	**44.2931**	**44.2931**	**0.0143**	**0.0000**	**44.6512**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9600e-003	0.1626	0.0312	5.9000e-004	0.0168	1.2100e-003	0.0180	4.6100e-003	1.1600e-003	5.7700e-003	0.0000	58.9070	58.9070	3.1600e-003	9.3500e-003	61.7717
Vendor	2.0000e-004	5.2500e-003	1.7400e-003	2.0000e-005	6.4000e-004	5.0000e-005	6.9000e-004	1.9000e-004	5.0000e-005	2.3000e-004	0.0000	1.9478	1.9478	7.0000e-005	2.8000e-004	2.0331
Worker	8.7000e-004	7.3000e-004	9.4700e-003	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3130	2.3130	7.0000e-005	6.0000e-005	2.3334
Total	**5.0300e-003**	**0.1685**	**0.0424**	**6.4000e-004**	**0.0202**	**1.2800e-003**	**0.0215**	**5.5400e-003**	**1.2300e-003**	**6.7600e-003**	**0.0000**	**63.1678**	**63.1678**	**3.3000e-003**	**9.6900e-003**	**66.1382**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0327	0.0000	0.0327	8.8700e-003	0.0000	8.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0359	0.0295	6.0000e-005		1.5500e-003	1.5500e-003		1.4300e-003	1.4300e-003	0.0000	5.2121	5.2121	1.6900e-003	0.0000	5.2543
Total	**3.4200e-003**	**0.0359**	**0.0295**	**6.0000e-005**	**0.0327**	**1.5500e-003**	**0.0342**	**8.8700e-003**	**1.4300e-003**	**0.0103**	**0.0000**	**5.2121**	**5.2121**	**1.6900e-003**	**0.0000**	**5.2543**

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0147	3.0900e-003	7.0000e-005	1.9700e-003	9.0000e-005	2.0700e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	6.5420	6.5420	3.6000e-004	1.0400e-003	6.8607
Vendor	1.0000e-005	4.8000e-004	1.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	3.0000e-005	0.2277
Worker	1.0000e-004	8.0000e-005	1.0200e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2650	0.2650	1.0000e-005	1.0000e-005	0.2672
Total	**2.9000e-004**	**0.0152**	**4.2900e-003**	**7.0000e-005**	**2.3800e-003**	**9.0000e-005**	**2.4800e-003**	**6.5000e-004**	**9.0000e-005**	**7.4000e-004**	**0.0000**	**7.0251**	**7.0251**	**3.8000e-004**	**1.0800e-003**	**7.3556**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0127	0.0000	0.0127	3.4600e-003	0.0000	3.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0359	0.0295	6.0000e-005		1.5500e-003	1.5500e-003		1.4300e-003	1.4300e-003	0.0000	5.2121	5.2121	1.6900e-003	0.0000	5.2543
Total	**3.4200e-003**	**0.0359**	**0.0295**	**6.0000e-005**	**0.0127**	**1.5500e-003**	**0.0143**	**3.4600e-003**	**1.4300e-003**	**4.8900e-003**	**0.0000**	**5.2121**	**5.2121**	**1.6900e-003**	**0.0000**	**5.2543**

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0147	3.0900e-003	7.0000e-005	1.9700e-003	9.0000e-005	2.0700e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	6.5420	6.5420	3.6000e-004	1.0400e-003	6.8607
Vendor	1.0000e-005	4.8000e-004	1.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	3.0000e-005	0.2277
Worker	1.0000e-004	8.0000e-005	1.0200e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2650	0.2650	1.0000e-005	1.0000e-005	0.2672
Total	**2.9000e-004**	**0.0152**	**4.2900e-003**	**7.0000e-005**	**2.3800e-003**	**9.0000e-005**	**2.4800e-003**	**6.5000e-004**	**9.0000e-005**	**7.4000e-004**	**0.0000**	**7.0251**	**7.0251**	**3.8000e-004**	**1.0800e-003**	**7.3556**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2013	1.8413	2.0792	3.4500e-003		0.0896	0.0896		0.0843	0.0843	0.0000	296.7101	296.7101	0.0706	0.0000	298.4746
Total	**0.2013**	**1.8413**	**2.0792**	**3.4500e-003**		**0.0896**	**0.0896**		**0.0843**	**0.0843**	**0.0000**	**296.7101**	**296.7101**	**0.0706**	**0.0000**	**298.4746**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-003	0.2424	0.0908	1.1200e-003	0.0379	1.1600e-003	0.0391	0.0109	1.1100e-003	0.0121	0.0000	109.3843	109.3843	3.6600e-003	0.0157	114.1668
Worker	0.0451	0.0358	0.4854	1.3500e-003	0.1557	9.6000e-004	0.1567	0.0414	8.8000e-004	0.0422	0.0000	125.4817	125.4817	3.3000e-003	3.2300e-003	126.5254
Total	**0.0519**	**0.2783**	**0.5761**	**2.4700e-003**	**0.1936**	**2.1200e-003**	**0.1957**	**0.0523**	**1.9900e-003**	**0.0543**	**0.0000**	**234.8660**	**234.8660**	**6.9600e-003**	**0.0190**	**240.6922**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2013	1.8413	2.0792	3.4500e-003		0.0896	0.0896		0.0843	0.0843	0.0000	296.7097	296.7097	0.0706	0.0000	298.4743
Total	**0.2013**	**1.8413**	**2.0792**	**3.4500e-003**		**0.0896**	**0.0896**		**0.0843**	**0.0843**	**0.0000**	**296.7097**	**296.7097**	**0.0706**	**0.0000**	**298.4743**

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-003	0.2424	0.0908	1.1200e-003	0.0379	1.1600e-003	0.0391	0.0109	1.1100e-003	0.0121	0.0000	109.3843	109.3843	3.6600e-003	0.0157	114.1668
Worker	0.0451	0.0358	0.4854	1.3500e-003	0.1557	9.6000e-004	0.1567	0.0414	8.8000e-004	0.0422	0.0000	125.4817	125.4817	3.3000e-003	3.2300e-003	126.5254
Total	**0.0519**	**0.2783**	**0.5761**	**2.4700e-003**	**0.1936**	**2.1200e-003**	**0.1957**	**0.0523**	**1.9900e-003**	**0.0543**	**0.0000**	**234.8660**	**234.8660**	**6.9600e-003**	**0.0190**	**240.6922**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0471	0.4302	0.5173	8.6000e-004		0.0196	0.0196		0.0185	0.0185	0.0000	74.1917	74.1917	0.0175	0.0000	74.6303
Total	**0.0471**	**0.4302**	**0.5173**	**8.6000e-004**		**0.0196**	**0.0196**		**0.0185**	**0.0185**	**0.0000**	**74.1917**	**74.1917**	**0.0175**	**0.0000**	**74.6303**

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3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6500e-003	0.0607	0.0222	2.8000e-004	9.4800e-003	2.9000e-004	9.7700e-003	2.7400e-003	2.8000e-004	3.0200e-003	0.0000	26.9358	26.9358	9.2000e-004	3.8800e-003	28.1150
Worker	0.0105	7.9900e-003	0.1130	3.3000e-004	0.0389	2.3000e-004	0.0392	0.0103	2.1000e-004	0.0106	0.0000	30.7259	30.7259	7.5000e-004	7.5000e-004	30.9679
Total	**0.0122**	**0.0687**	**0.1352**	**6.1000e-004**	**0.0484**	**5.2000e-004**	**0.0489**	**0.0131**	**4.9000e-004**	**0.0136**	**0.0000**	**57.6617**	**57.6617**	**1.6700e-003**	**4.6300e-003**	**59.0829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0471	0.4302	0.5173	8.6000e-004		0.0196	0.0196		0.0185	0.0185	0.0000	74.1916	74.1916	0.0175	0.0000	74.6302
Total	**0.0471**	**0.4302**	**0.5173**	**8.6000e-004**		**0.0196**	**0.0196**		**0.0185**	**0.0185**	**0.0000**	**74.1916**	**74.1916**	**0.0175**	**0.0000**	**74.6302**

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3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6500e-003	0.0607	0.0222	2.8000e-004	9.4800e-003	2.9000e-004	9.7700e-003	2.7400e-003	2.8000e-004	3.0200e-003	0.0000	26.9358	26.9358	9.2000e-004	3.8800e-003	28.1150
Worker	0.0105	7.9900e-003	0.1130	3.3000e-004	0.0389	2.3000e-004	0.0392	0.0103	2.1000e-004	0.0106	0.0000	30.7259	30.7259	7.5000e-004	7.5000e-004	30.9679
Total	**0.0122**	**0.0687**	**0.1352**	**6.1000e-004**	**0.0484**	**5.2000e-004**	**0.0489**	**0.0131**	**4.9000e-004**	**0.0136**	**0.0000**	**57.6617**	**57.6617**	**1.6700e-003**	**4.6300e-003**	**59.0829**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3400e-003	0.0703	0.0975	1.5000e-004		3.4900e-003	3.4900e-003		3.2200e-003	3.2200e-003	0.0000	13.1029	13.1029	4.1200e-003	0.0000	13.2058
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.3600e-003**	**0.0703**	**0.0975**	**1.5000e-004**		**3.4900e-003**	**3.4900e-003**		**3.2200e-003**	**3.2200e-003**	**0.0000**	**13.1029**	**13.1029**	**4.1200e-003**	**0.0000**	**13.2058**

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3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	4.0000e-004	5.4700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4131	1.4131	4.0000e-005	4.0000e-005	1.4248
Total	**5.1000e-004**	**4.0000e-004**	**5.4700e-003**	**2.0000e-005**	**1.7500e-003**	**1.0000e-005**	**1.7600e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.4131**	**1.4131**	**4.0000e-005**	**4.0000e-005**	**1.4248**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3400e-003	0.0703	0.0975	1.5000e-004		3.4900e-003	3.4900e-003		3.2200e-003	3.2200e-003	0.0000	13.1029	13.1029	4.1200e-003	0.0000	13.2058
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.3600e-003**	**0.0703**	**0.0975**	**1.5000e-004**		**3.4900e-003**	**3.4900e-003**		**3.2200e-003**	**3.2200e-003**	**0.0000**	**13.1029**	**13.1029**	**4.1200e-003**	**0.0000**	**13.2058**

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3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	4.0000e-004	5.4700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4131	1.4131	4.0000e-005	4.0000e-005	1.4248
Total	**5.1000e-004**	**4.0000e-004**	**5.4700e-003**	**2.0000e-005**	**1.7500e-003**	**1.0000e-005**	**1.7600e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.4131**	**1.4131**	**4.0000e-005**	**4.0000e-005**	**1.4248**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	9.7500e-003	0.0145	2.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.0426	2.0426	1.2000e-004	0.0000	2.0455
Total	**0.5158**	**9.7500e-003**	**0.0145**	**2.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**2.0426**	**2.0426**	**1.2000e-004**	**0.0000**	**2.0455**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.0000e-004	5.6000e-003	2.0000e-005	1.9300e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.5225	1.5225	4.0000e-005	4.0000e-005	1.5345
Total	**5.2000e-004**	**4.0000e-004**	**5.6000e-003**	**2.0000e-005**	**1.9300e-003**	**1.0000e-005**	**1.9400e-003**	**5.1000e-004**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**1.5225**	**1.5225**	**4.0000e-005**	**4.0000e-005**	**1.5345**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	9.7500e-003	0.0145	2.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.0426	2.0426	1.2000e-004	0.0000	2.0455
Total	**0.5158**	**9.7500e-003**	**0.0145**	**2.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**2.0426**	**2.0426**	**1.2000e-004**	**0.0000**	**2.0455**

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3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	4.0000e-004	5.6000e-003	2.0000e-005	1.9300e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.5225	1.5225	4.0000e-005	4.0000e-005	1.5345
Total	**5.2000e-004**	**4.0000e-004**	**5.6000e-003**	**2.0000e-005**	**1.9300e-003**	**1.0000e-005**	**1.9400e-003**	**5.1000e-004**	**1.0000e-005**	**5.2000e-004**	**0.0000**	**1.5225**	**1.5225**	**4.0000e-005**	**4.0000e-005**	**1.5345**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3466	0.3658	3.2997	6.8200e-003	0.7163	5.1200e-003	0.7214	0.1911	4.7500e-003	0.1959	0.0000	641.5013	641.5013	0.0470	0.0292	651.3684
Unmitigated	0.3975	0.4507	4.0886	8.8500e-003	0.9360	6.5200e-003	0.9425	0.2497	6.0500e-003	0.2558	0.0000	832.5477	832.5477	0.0569	0.0359	844.6580

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	0.00	4.53	0.00	2,211	1,692
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	1,027.29	206.77	65.49	2,489,133	1,904,913
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,027.29	211.30	65.49	2,491,344	1,906,605

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Enclosed Parking with Elevator	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Non-Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	334.6226	334.6226	0.0282	3.4200e-003	336.3489
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	334.6226	334.6226	0.0282	3.4200e-003	336.3489
NaturalGas Mitigated	5.9300e-003	0.0539	0.0450	3.2000e-004		4.1000e-003	4.1000e-003		4.1000e-003	4.1000e-003	0.0000	58.7243	58.7243	1.1300e-003	1.0800e-003	59.0733
NaturalGas Unmitigated	5.9300e-003	0.0539	0.0450	3.2000e-004		4.1000e-003	4.1000e-003		4.1000e-003	4.1000e-003	0.0000	58.7243	58.7243	1.1300e-003	1.0800e-003	59.0733

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	13066.6	7.0000e-005	6.0000e-004	2.6000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6973	0.6973	1.0000e-005	1.0000e-005	0.7014
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.08739e+006	5.8600e-003	0.0533	0.0448	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	58.0270	58.0270	1.1100e-003	1.0600e-003	58.3719
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.9300e-003**	**0.0539**	**0.0450**	**3.2000e-004**		**4.1000e-003**	**4.1000e-003**		**4.1000e-003**	**4.1000e-003**	**0.0000**	**58.7243**	**58.7243**	**1.1200e-003**	**1.0700e-003**	**59.0733**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	13066.6	7.0000e-005	6.0000e-004	2.6000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6973	0.6973	1.0000e-005	1.0000e-005	0.7014
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.08739e+006	5.8600e-003	0.0533	0.0448	3.2000e-004		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	58.0270	58.0270	1.1100e-003	1.0600e-003	58.3719
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.9300e-003**	**0.0539**	**0.0450**	**3.2000e-004**		**4.1000e-003**	**4.1000e-003**		**4.1000e-003**	**4.1000e-003**	**0.0000**	**58.7243**	**58.7243**	**1.1200e-003**	**1.0700e-003**	**59.0733**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	3849.35	0.6827	6.0000e-005	1.0000e-005	0.6862
Enclosed Parking with Elevator	561408	99.5632	8.4000e-003	1.0200e-003	100.0768
General Office Building	1.31836e+006	233.8057	0.0197	2.3900e-003	235.0119
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3220	0.5711	5.0000e-005	1.0000e-005	0.5740
Total		**334.6227**	**0.0282**	**3.4300e-003**	**336.3489**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	3849.35	0.6827	6.0000e-005	1.0000e-005	0.6862
Enclosed Parking with Elevator	561408	99.5632	8.4000e-003	1.0200e-003	100.0768
General Office Building	1.31836e+006	233.8057	0.0197	2.3900e-003	235.0119
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3220	0.5711	5.0000e-005	1.0000e-005	0.5740
Total		**334.6227**	**0.0282**	**3.4300e-003**	**336.3489**

6.0 Area Detail

6.1 Mitigation Measures Area

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4453	5.8000e-004	0.0162	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.5082	0.5082	5.0000e-005	1.0000e-005	0.5122
Unmitigated	0.4453	5.8000e-004	0.0162	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.5082	0.5082	5.0000e-005	1.0000e-005	0.5122

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0000e-005	4.1000e-004	1.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4803	0.4803	1.0000e-005	1.0000e-005	0.4831
Landscaping	8.3000e-004	1.7000e-004	0.0160	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0279	0.0279	5.0000e-005	0.0000	0.0290
Total	**0.4453**	**5.8000e-004**	**0.0162**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**0.5082**	**0.5082**	**6.0000e-005**	**1.0000e-005**	**0.5122**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.0000e-005	4.1000e-004	1.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4803	0.4803	1.0000e-005	1.0000e-005	0.4831
Landscaping	8.3000e-004	1.7000e-004	0.0160	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0279	0.0279	5.0000e-005	0.0000	0.0290
Total	**0.4453**	**5.8000e-004**	**0.0162**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**0.5082**	**0.5082**	**6.0000e-005**	**1.0000e-005**	**0.5122**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	53.7961	0.4377	0.0107	67.9390
Unmitigated	63.7560	0.5468	0.0134	81.4166

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	16.6288 / 10.1918	63.7560	0.5468	0.0134	81.4166
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**63.7560**	**0.5468**	**0.0134**	**81.4166**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	13.303 / 9.57013	53.7961	0.4377	0.0107	67.9390
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**53.7961**	**0.4377**	**0.0107**	**67.9390**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.8311	0.5219	0.0000	21.8787
Unmitigated	17.6622	1.0438	0.0000	43.7575

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	87.01	17.6622	1.0438	0.0000	43.7575
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**17.6622**	**1.0438**	**0.0000**	**43.7575**

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	43.505	8.8311	0.5219	0.0000	21.8787
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**8.8311**	**0.5219**	**0.0000**	**21.8787**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	389	0.73	Diesel

Boilers

1950-1960 East Grand Avenue - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	8.3000e-003	0.0232	0.0212	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.8514	3.8514	5.4000e-004	0.0000	3.8649
Total	**8.3000e-003**	**0.0232**	**0.0212**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2200e-003**	**1.2200e-003**	**0.0000**	**3.8514**	**3.8514**	**5.4000e-004**	**0.0000**	**3.8649**

11.0 Vegetation

Michael Baker
INTERNATIONAL

Appendix D
Cultural Resources Assessment

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Michael Baker INTERNATIONAL

We Make a Difference

August 26, 2021

Mr. David Blumenthal, AICP, Senior Project Manager
CITY OF EL SEGUNDO
350 Main Street
El Segundo, CA 90245

RE: CULTURAL RESOURCES AND PALEONTOLOGICAL IDENTIFICATION MEMO FOR THE 1950-1960 EAST GRAND AVENUE PROJECT, CITY OF EL SEGUNDO, LOS ANGELES COUNTY, CALIFORNIA

Dear Mr. Blumenthal:

In support of the 1950-1960 East Grand Avenue Project (project), Michael Baker International staff completed a South Central Coastal Information Center (SCCIC) records search, literature and historical map review, historical society consultation, and a buried archaeological site sensitivity analysis of the project area. These efforts were completed to determine whether the project could result in significant impacts, as defined by California Environmental Quality Act (CEQA) Section 15064.5, to historical and archaeological resources. Additionally, a paleontological records search was requested from the Natural History Museum of Los Angeles County (NHMLA), and a search of online and published databases was completed to identify the paleontological sensitivity of the project area . Methods, results, and recommendations are summarized below.

PROJECT DESCRIPTION

The project includes the construction of a new 5-story commercial office building and a new 23-space surface parking lot at 1950 East Grand Avenue, and a 4-level, 258-space parking structure at 1960 East Grand Avenue. No modifications are proposed for the existing 12-story office building at 1960 East Grand Avenue or the 11-level parking structure at 1950 East Grand Avenue, with the exception of minor modifications to accommodate a pedestrian bridge connecting the third floor of the new office building to the 11-level parking structure. Although the project would replace the surface parking that currently exists north of the 11-level parking structure, the three surface parking spaces located on the eastern side of the existing office building parallel to the drive aisle would remain. A new central plaza area would be developed between the new and existing office buildings. The plaza would include outdoor seating areas with trellis structures defining the seating areas.

PROJECT AREA

The project area is identified as the boundaries of APNs 4138-007-065 and 4138-007-066 because this includes the maximum extent of ground disturbance and project activities associated with demolition, site preparation, and construction (see **Attachment 1**).

2729 Prospect Park Drive, Suite 220, Rancho Cordova, CA 95670
P: (916) 361-8384 F: (916) 361-1574

GEOLOGIC SETTING

California is divided into 11 geomorphic provinces, each defined by unique geologic and geomorphic characteristics. The project is located on the western end of the Peninsular Ranges geomorphic province. Northwest trending mountain ranges and valleys following faults branching from the San Andreas Fault distinguish the Peninsular Ranges province. The Peninsular Ranges are bound to the east by the Colorado Desert and extend north to the San Bernardino–Riverside County line (Norris and Webb 1976), west into the submarine continental shelf, and south to the California state line.

Locally, the project is within the western end of the inland portion of the actively subsiding Los Angeles Basin. This basin is bound by the Santa Monica and San Gabriel Mountains to the north, the Santa Ana Mountains to the east, and the Palos Verdes Hills to the south (Yerkes et al. 1965). The project is located in the southwestern block of the Los Angeles Basin, which was the site of initial basin deformation, and is currently dominated by folded marine strata (Hauksson 1990). The geologic units underlying the project record coastal and inland deposition during the Pleistocene Epoch (2.5 million years ago to 11,700 years ago).

The project is broadly located within the Southern California/Northern Baja Coast region and it is composed of coastal and alluvial plains, marine terraces, and low hills within an area extending over 200 miles south into Baja California. Soil mapping of the project area indicates a high degree of surficial soil disturbance as it has been mapped as Urban Land from the Marina complex with 0-5% slope. Marina complex soil are dune deposits classified as Xeropsamments, which are entisols consisting of unconsolidated sand deposits found in areas with a xeric moisture regime (NRCS 2021).

The project is located within the Los Angeles Plain ecoregion. Ecoregions denote general similarity in ecosystems and environmental resources. Moist and cool marine air greatly moderates temperatures and rainfall in the Los Angeles Plain with annual precipitation ranging from 10 to 17 inches. The ecoregion is nearly level with flat floodplains and terraces and very gently to gently sloping alluvial fans. The soil temperature regime is thermic. Hydrology has been greatly modified and channelized. The Los Angeles River drains from the San Fernando Valley and San Gabriel Mountains (Griffith et al. 2016).

A geotechnical analysis of the project area provided preliminary geotechnical recommendations for the proposed development. Existing fill soils were encountered between 2 and 22 feet in thickness; however, the site grade has been lowered several feet since the time the prior borings were drilled. As such, current analysis of prior boring logs indicates a shallow, possibly less than 1 foot, depth of disturbance beneath the surface of the proposed five-story building and three-level parking structure with underlying Pleistocene-age native soils (Wood 2020).

CULTURAL RESOURCES IDENTIFICATION METHODS

The methods and results of the SCCIC records search, literature and historical map search, historical society consultation, and buried archaeological site sensitivity analysis are presented below.

SOUTH CENTRAL COASTAL INFORMATION CENTER

SCCIC staff conducted a records search (File No. 22538.8697) of the project area and quarter-mile search radius on June 15, 2021. The SCCIC, as part of the California Historical Resources Information System, California State University, Fullerton, an affiliate of the California Office of Historic Preservation (OHP), is the official state repository of cultural resources records and reports for Los Angeles County. As part of the records search, the following federal and California inventories were reviewed:

- California Inventory of Historic Resources (OHP 1976)
- California Points of Historical Interest (OHP 1992 and updates)
- California Historical Landmarks (OHP 1996)
- Built Environment Resources Directory (OHP 2021). The directory includes the listings of the National Register of Historic Places (National Register), National Historic Landmarks, the California Register of Historical Resources (California Register), California Historical Landmarks, and California Points of Historical Interest within Los Angeles County.

No cultural resources were identified within the project area or within the quarter-mile search radius. Three cultural resource reports were previously completed within the project area; two reports were within the quarter-mile search area as identified below.

Author(s)	Date	Title	In project area?	Resources in project area?
Wlodarski, Robert J.	1986	*Negative Archaeological Survey Report for O7-la-1 23.4/25.2*	No	No
Stickel, Gary E.	1993	*Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project*	Yes	No
Maki, Mark K.	2005	*Records Search Results for the Chevron El Segundo Refinery, El Segundo, Los Angeles County*	No	No
Harper, Caprice D. and Francesca Smith	2008	*Preliminary Cultural Resources Survey for the Formation of the Wiseburn Unified School District Project, Cities of El Segundo and Hawthorne, and Unincorporated Los Angeles County, CA.*	Yes	No

Author(s)	Date	Title	In project area?	Resources in project area?
Metro	2011	*Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final Environmental Impact Statement*	Yes	No

LITERATURE AND HISTORICAL MAP REVIEW

Michael Baker International reviewed literature and historical maps for historical information about the project area and the vicinity. Below is a list of resources reviewed, followed by a narrative description of the results for the project area.

- "Gabrielino" (Bean and Smith 1978)
- Township 3 South, Range 14 West, San Bernardino Meridian Plat map (BLM 1868)
- California Prehistory: Colonization, Culture, and Complexity (Erlandson et al. 2007)
- *Preliminary Cultural Resources Survey for the Formation of the Wiseburn Unified School District Project, Cities of El Segundo and Hawthorne, and Unincorporated Los Angeles County, California* (Harper and Smith 2008)
- Historicaerials.com (Historicaerials.com 2021)
- *Kirkman-Harriman Pictorial and Historic Map of Los Angeles County, A.D. 1860* (Kirkman 1937)
- *The First Angelinos: The Gabrielino Indians of Los Angeles* (McCawley 1996)
- *Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final* (Metro 2011)
- *California Archaeology* (Moratto 1984)
- *Map of Sausal Redondo Rancho, Centinela Rancho and part of Rancho La Ballona* (OAC 1901)
- *Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project* (Stickel 1993)
- "The Del Rey Tradition and Its Place in the Prehistory of Southern California" (Sutton 2010)
- "Reconceptualizing the Encinitas Tradition of Southern California (Sutton and Gardener 2010)
- Redondo, Calif. 1:62,500 scale topographic quadrangle (USGS 1896)
- Southern California Sheet No. 1, Calif. 1:250,000 scale topographic quadrangle (USGS 1901)
- Southern California Sheet No. 1, Calif. 1:250,000 scale topographic quadrangle (USGS 1904)
- Inglewood, Calif. 1:24,000 scale topographic quadrangle (USGS 1924)
- Inglewood, Calif. 1:24,000 scale topographic quadrangle (USGS 1930)
- Inglewood, Calif. 1:24,000 scale topographic quadrangle (USGS 1948)
- Venice, Calif. 1:24,000 scale topographic quadrangle (USGS 1950)
- Venice, Calif. 1:24,000 scale topographic quadrangle (USGS 1964)

- Long Beach, Calif. 1:100,000 scale topographic quadrangle (USGS 1981)
- Single-frame aerial photograph: C-113 (UCSB 1927)
- Single-frame aerial photograph: C-300 (UCSB 1928)
- Single-frame aerial photograph: AXJ-1938 (UCSB 1938)
- Single-frame aerial photograph: IMC-2062 (UCSB 1952)
- Single-frame aerial photograph: C-22555 (UCSB 1956)
- Single-frame aerial photograph: C-23870 (UCSB 1960)
- Single-frame aerial photograph: C-24400 (UCSB 1962)
- Single-frame aerial photograph: TG-2755 (UCSB 1971)
- Single-frame aerial photograph: TG-3800 (UCSB 1979)
- "A Suggested Chronology for Southern California Coastal Archaeology (Wallace 1955)
- "Cultural Tradition and Ecological Adaptation on the Southern California Coast (Warren 1968)

Results

The division of prehistory into temporal periods provides a framework for understanding culture change in years before present (BP). The earliest inhabitants to the Los Angeles Basin occurred in the Paleocoastal or Paleoindian Period terms, indicating proximity to the coast (Moratto 1984; Erlandson et al. 2007), and is generally dated between about 13,000 and 8,500 BP. These earliest inhabitants were highly mobile hunter-gatherers. Warren (1968) and others (Sutton and Gardner 2010) redefined the Millingstone Horizon as the Encinitas Tradition, which dates to between about 8,500 BP and 3,500 BP. Encinitas is a widespread cultural phenomenon distinguished by an abundance of manos and metates and a dearth of vertebrate faunal remains, projectile points, and mortar and pestle groundstone tools. Definitions of the Intermediate Period (3500–3000 B.P) and Late Prehistoric Period (1,500 years ago to the Mission Era in the late 18th century) continue to be employed as temporal periods as Wallace (1955) defined them, though understanding of cultural practices, technology, and migrations, among other aspects, has been thoroughly deepened (Sutton 2010).

At the beginning of the historic period, the project area is located within the ancestral territory of the Gabrieliño. No Gabrieliño villages are known to be within the vicinity of the project area. The nearest place name, *Waachnga* (McCawley 1996), is located approximately 3 miles north-northwest of the project area. This place name potentially corresponds to the location of the Gabrieliño village *Gauchn* (Kirkman 1937). The Gabrieliño are named because of their association with the Mission San Gabriel Arcángel, located approximately 20 miles northeast. Generally, their territory included all of the Los Angeles Basin, parts of the Santa Ana and Santa Monica Mountains, along the coast from Aliso Creek in the south to Topanga Canyon in the north, and San Clemente, San Nicolas, and Santa Catalina Islands. The Gabrieliño spoke a dialect of the Cupan group of the Takic language family (Bean and Smith 1978: 538-549).

The project area was once part of Rancho Sausal Redondo and is first depicted in an 1868 BLM plat map of the region. The project area remained undeveloped until 1927 when it is depicted as

being a part of agricultural development. The project area was used for agricultural purposes from at least 1928, but by 1952 agricultural development had ceased. No built features are depicted until 1971 when a small rectangular building is depicted in the northwest corner of the project area. However, by 1981, the small rectangular building is no longer extant. By 1994, the project area is depicted with the current multi-story commercial office buildings, parking lot, and plaza. (BLM 1868; Harper and Smith 2008; Historicaerials.com 2021; Metro 2011; OAC 1901; Stickel 1993; UCSB 1927, 1928, 1938, 1952, 1956, 1960, 1962, 1971, 1979; USGS 1924, 1930, 1948, 1950, 1964, 1981

BURIED SITE SENSITIVITY ANALYSIS

The soils of the project area have been heavily impacted by modern development upon the surface and in the near-surface sediments. Though the soil sits upon Holocene-age sediment, they all are mapped as Urban Land of varying complexes, including the Marina complex (NRCS 2021). Urban Land is heavily modified through the creation of fills, soil import, and construction, and is typically of low sensitivity for significant prehistoric resources.

The project area has low sensitivity for significant or potentially significant prehistoric or historic-period archaeology sites as a result of historic and modern development.

HISTORICAL SOCIETY CONSULTATION

On July 23, 2021, Michael Baker International staff emailed a letter and figures depicting the project area to the Los Angeles City Historical Society. The correspondence requested any information or concerns regarding historical resources within the project area. No response was received. See **Attachment 2.**

PALEONTOLOGICAL RESOURCES IDENTIFICATION METHODS

The records search results, literature review, and sensitivity analysis are presented below.

PALEONTOLOGICAL RECORDS SEARCHES AND LITERATURE REVIEW

The geology of the El Segundo area has been mapped by Dibblee and Minch (2007) at a scale of 1:24,000. Deposits are mapped as Old sand dunes (Qos) consisting of older surficial sediments dating to the late Pleistocene.

The climate of Southern California during the Pleistocene was cooler and moister than the modern Mediterranean climate (Lamb 1989). In contrast to the harsh, cold conditions in high latitudes near the ice sheets, Southern California experienced a relatively milder climate during the Pleistocene (Calder 1983). During this time, familiar "Ice Age" fauna, such as mammoth, mastodons, horses, camelids, and ground sloths, inhabited the area (Stock 2001).

The NHMLA completed a paleontology collection records search for locality and specimen data on June 18, 2021; see **Attachment 3**. The records search showed no previously identified fossil

localities within the project area. Six fossil localities from the same sedimentary deposits as the project area occur nearby, either at the surface or at depth, within 3 miles of the project area, as identified below.

Locality Number	Location	Formation	Taxa	Depth
LACM IP 34957-34958	El Segundo Power Generating Station; water line trench on Franklin Ave., approx. 10 ft E of Standard St. (approx. 1.2 miles W of project)	Marine Terrace, Qos Dune Sand over Qal Marine Terrace (massive, light brown to reddish-brown sand)	Invertebrates (*Tivela stultorum*)	3–20 ft. bgs.
LACM VP 3264	Los Angeles International Airport (approx. 1 mile N of project)	Unknown formation (Pleistocene sands)	Elephant family (Proboscidea)	25 ft. bgs.
LACM VP 7332	Westchester, NW of intersection of West Century Blvd. & Bellanca Ave. (approx. 2 miles NE of project)	Unknown formation (Pleistocene; silty sand)	Mammoth (*Mammuthus*)	40 ft. bgs.
LACM VP 4942	SE corner of Airport Blvd. & Manchester Ave. (approx. 2.8 miles NE of project)	Unknown formation (Pleistocene, massive sandy mudstone with scattered pieces of gravel)	Mammoth (*Mammuthus*)	16 ft. bgs.
LACM VP 3789	8734 Bellanca Ave., Westchester (approx. 2.75 miles NE of project)	Unknown (Pleistocene; pebbly grey-green to brown mud that directly overlies a gray-green fine sand)	Mammoth (*Mammuthus*)	14 ft. bgs.
LACM VP 3266	W Athens Blvd. & Menlo Ave., Athens (6 miles E of project)	Unknown formation (Pleistocene, calcareous silstone)	Uncatalogued vertebrates	15–18 ft. bgs.

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; ft. bgs., feet below ground surface

Michael Baker International conducted a supplemental investigation within 3 miles of the project site using the following online sources:

- University of California Museum of Paleontology Locality Search (UCMP Locality Search 2021)
- The Paleobiology Database (PBDB 2021)
- FAUNMAP (FAUNMAP 2021)

No additional fossil localities were identified.

PALEONTOLOGICAL RESOURCES SENSITIVITY ANALYSIS

The paleontological records search and literature review indicate that the geologic formations in the project area are known to contain paleontological localities with rare, well-preserved fossil materials that offer important information about the plant or animal and/or its evolutionary history. The project area is highly sensitive for paleontological resources within intact deposits. It is underlain with highly sensitive, Pleistocene-age old sand dune deposits (Qos) and known fossil localities are within 3 miles of the project area.

FINDINGS AND RECOMMENDATIONS

The SCCIC records search, literature and historical map review, and historical society consultation identified no historical or archaeological resources as defined by CEQA Section 15064.5(a) within the project area. Sensitivity for buried archaeological resources is low due to historical and modern development of the project area. Nonetheless, there is a potential for disturbing previously unknown archaeological resources during excavation into native soil.

The project area is highly sensitive for paleontological resources because is underlain with highly sensitive, Pleistocene-age old sand dune deposits known to have produced rare, well-preserved fossil materials within proximity to the project area. Due to the depth of ground-disturbing activities required to build multi-story structures, the project has the potential to disturb paleontological resources.

Impacts may be avoided through implementation of the following recommendations:

> **Archaeological Resources Inadvertent Discovery.** In the event that any subsurface cultural resources are encountered during earth-moving activities, it is recommended that all work within 50 feet be halted until an archaeologist can evaluate the findings and make recommendations. Prehistoric materials can include flaked-stone tools (e.g., projectile points, knives, choppers) or obsidian, chert, or quartzite toolmaking debris; culturally darkened soil (i.e., midden soil often containing heat-affected rock, ash, and charcoal, shellfish remains, and cultural materials); and stone milling equipment (e.g., mortars, pestles, handstones). Historical materials might include wood, stone, or concrete footings, walls, and other structural remains; debris-filled wells or privies; and deposits of wood, metal, glass, ceramics, and other refuse. The archaeologist may evaluate the find in accordance with federal, state, and local guidelines, including those set forth in the California Public Resources Code Section 21083.2, to assess the significance of the find and identify avoidance or other measures as appropriate. If suspected prehistoric or historical archaeological deposits are discovered during construction, all work within the immediate area of the discovery shall be redirected and the find must be evaluated by a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983).

Human Remains Inadvertent Discovery. If human remains are found, those remains would require proper treatment in accordance with State of California Health and Safety Code Sections 7050.5-7055. Specifically, Health and Safety Code Section 7050.5 describes the requirements if any human remains are discovered during excavation of a site. As required by state law, the requirements and procedures set forth in Section 5097.98 of the California Public Resources Code would be implemented, including notification of the County coroner, notification of the Native American Heritage Commission, and consultation with the individual identified by the Native American Heritage Commission to be the "most likely descendant." If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

Paleontological Monitoring. Due to substantial fossil finds in the project's vicinity and within the same geologic formation which underlies the entire project area, it is recommended that the project be monitored by a qualified professional paleontologist during excavation into native Pleistocene-age materials. In the event that paleontological resources are encountered during earth disturbance activities, all construction activities in the area of the find shall be temporarily halted and the paleontologist shall evaluate the find to determine the appropriate treatment in accordance with Society for Vertebrate Paleontology guidelines for identification, evaluation, disclosure, avoidance, recovery, and/or curation, as appropriate. Any fossils recovered during mitigation shall be deposited to an accredited and permanent scientific institution. A qualified professional paleontologist is a professional with a graduate degree in paleontology, geology, or related field, with demonstrated experience in the vertebrate, invertebrate, or botanical paleontology of California, as well as at least one year of full-time professional experience, or equivalent specialized training in paleontological research (i.e., the identification of fossil deposits, application of paleontological field and laboratory procedures and techniques, and curation of fossil specimens), and at least four months of supervised field and analytic experience in general North American paleontology.

PREPARER QUALIFICATIONS

Chris Wendt, Architectural Historian, has over 12 years of experience teaching history and English. He conducts National Register, California Register, and various local register evaluations for projects subject to CEQA and Section 106 of the National Historic Preservation Act (NHPA). For these evaluations, he conducts a variety of tasks including field survey and photographic documentation of historic-era resources, property research, writing architectural descriptions, and developing historic statements. He is deeply entrenched in issues of local history teaching and has served as the visitor services and volunteer coordinator for the Los Angeles Museum of the Holocaust and Museum of Sonoma County. He also worked with the Petaluma Historical Museum and Library and Cotati Museum and Historical Society where he conducted archival research and

aided in the identification of historical resources. He is a Secretary of the Interior Professionally Qualified historian and architectural historian.

Nicholas F. Hearth, Principal Investigator/Senior Archaeologist, is a registered professional archaeologist (#989903) and meets the Secretary of the Interior's Professional Qualification Standards for archaeology and history, and the Society for California Archaeology's professional qualification standards for Principal Investigator. Mr. Hearth has 18 years of experience in cultural resources management, including project management, personnel management, Native American consultation, archival research, laboratory analysis, ethnographic and historical research, field survey, prehistoric and historical excavation, laboratory analysis, collections management, and GIS applications. He has experience with cultural and tribal cultural resources issues as they relate to CEQA and the National Environmental Policy Act (NEPA). He directs the preparation of cultural resources technical studies compliant with CEQA and Section 106 of the NHPA, including studies documenting research, survey, testing, excavation, monitoring, and evaluation for inclusion in the National and California Registers. He has worked in California, Nevada, Utah, New Mexico, across the Midwest, throughout New England, and in four countries in Central America.

Benjamin Scherzer, Senior Paleontologist, holds a master of science degree in earth sciences from Montana State University, Bozeman. He has more than 10 years of experience in paleontological research, field surveys, fossil salvage, laboratory identification, report preparation, and curatorial experience. Mr. Scherzer is a member of the Society for Vertebrate Paleontology, Geological Society of America, Society for Sedimentary Geology, and the Paleontological Society.

Margo Nayyar, Senior Cultural Resources Manager, is a senior architectural historian with 12 years of cultural management experience in California. Her experience includes built environment surveys, evaluation of historic-era resources using guidelines outlined in the National and California Registers, and preparation of cultural resources technical studies pursuant to CEQA and Section 106 of the NHPA, including identification studies, finding of effect documents, memorandum of agreements, programmatic agreements, and Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscapes Survey mitigation documentation. She prepares cultural resources sections for CEQA environmental documents, including infill checklists, initial studies, and environmental impact reports, as well as NEPA environmental documents, including environmental impact statements and environmental assessments. She also specializes in municipal preservation planning, historic preservation ordinance updates, Native American consultation, and provision of Certified Local Government training to interested local governments. She develops Survey 123 and Esri Collector applications for large-scale historic resources surveys, and authors National Register nomination packets. Ms. Nayyar meets the Secretary of the Interior's Professional Qualification Standards for history and architectural history.

Sincerely,

Chris Wendt, MA Architectural Historian	Nicholas F. Hearth, RPA Senior Archaeologist	Benjamin Scherzer, MS Senior Paleontologist

Attachments:

Attachment 1 – Figures

Attachment 2 – Historical Society Consultation

Attachment 3 – NHMLA Paleontological Record Search

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Attachment 1

Figures

FIGURE 1

Regional Location Map

Michael Baker INTERNATIONAL

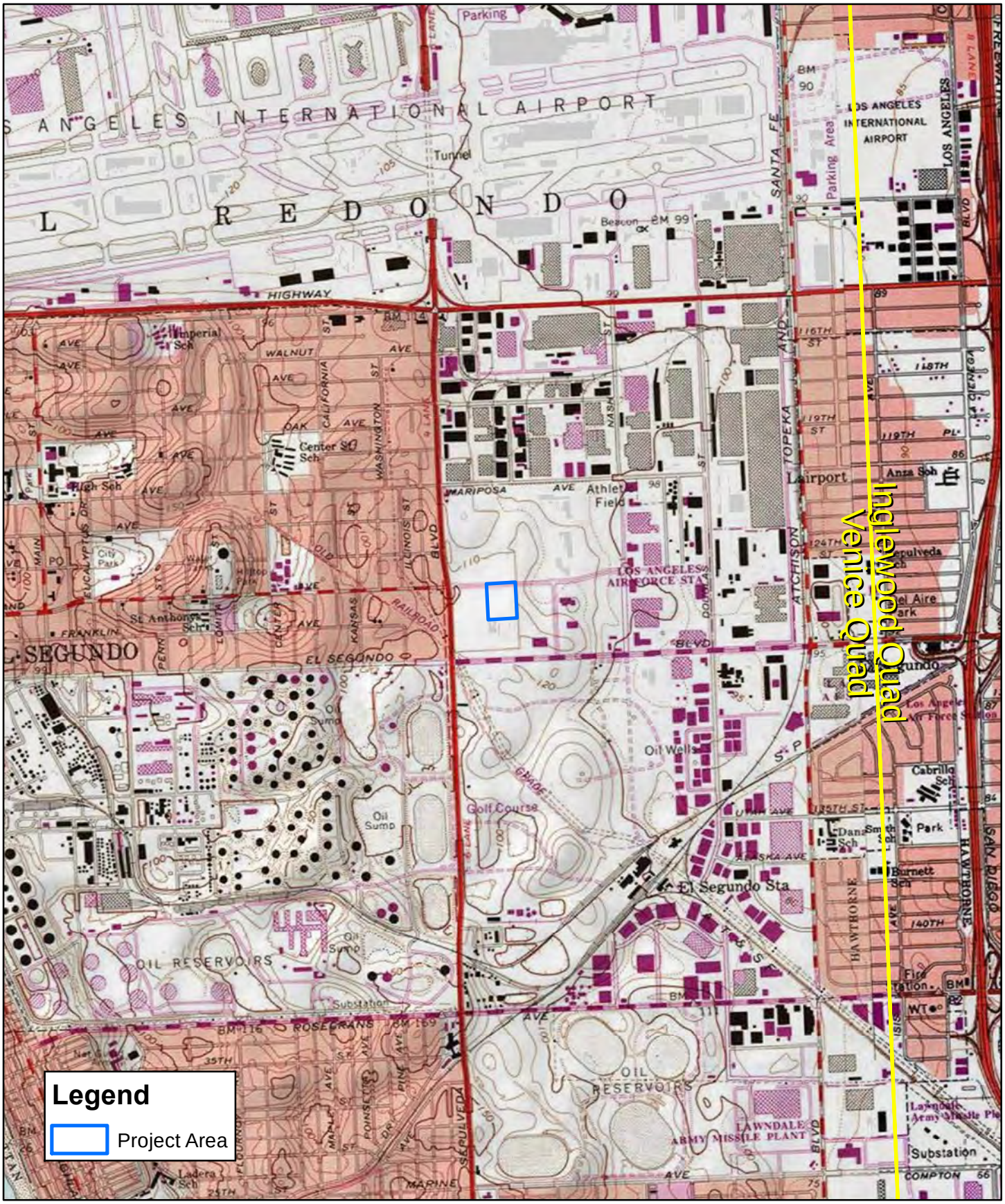

FIGURE 2

Project Location Map

Michael Baker INTERNATIONAL

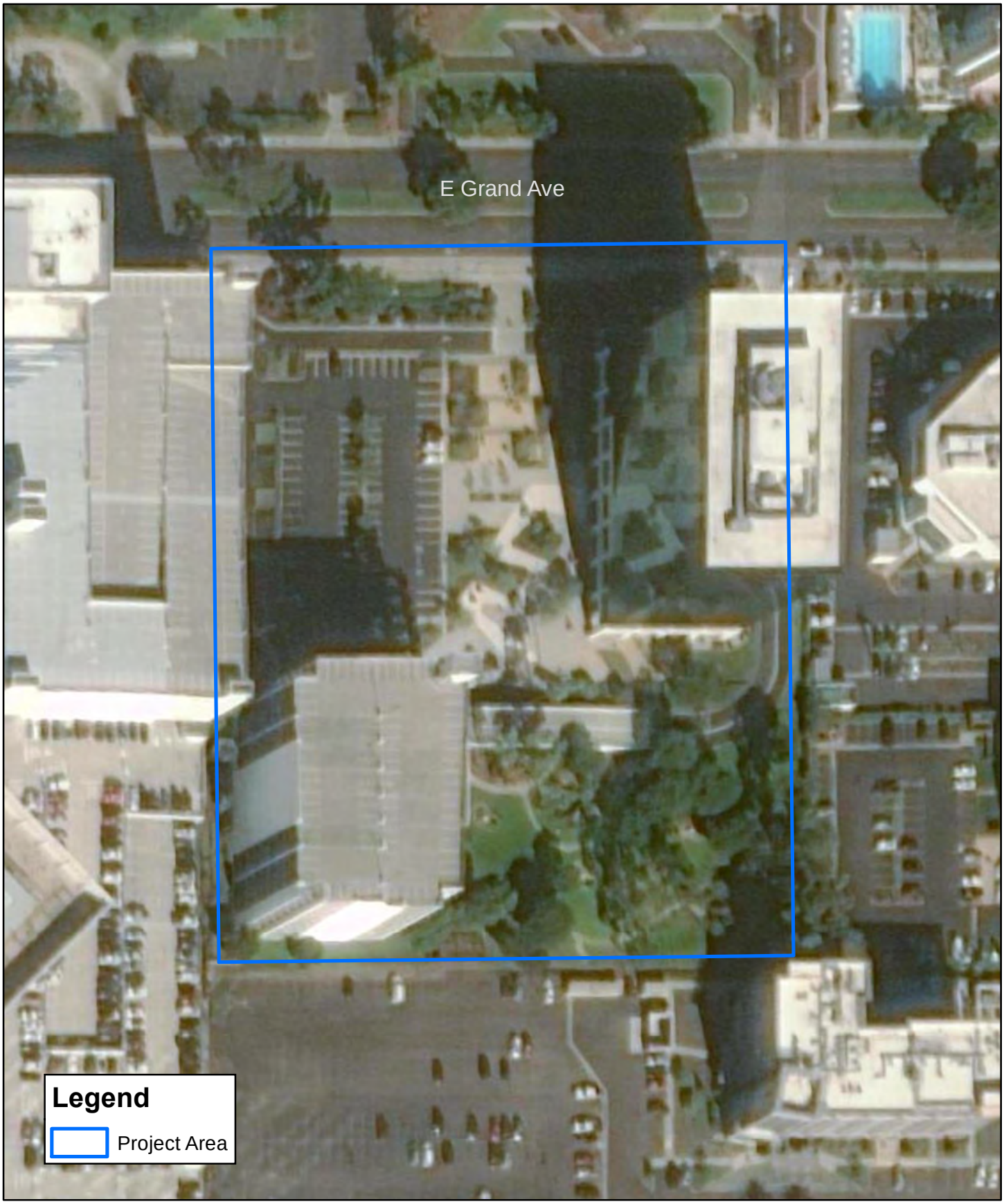

FIGURE 3

Project Area

Michael Baker INTERNATIONAL

Attachment 2

Historical Society Consultation

From:	Wendt, Chris
To:	info@lacityhistory.org
Cc:	Nayyar, Margo
Subject:	RE: Consultation for the 1950-1960 E Grand Ave Project in El Segundo, CA
Date:	Friday, July 23, 2021 2:08:00 PM
Attachments:	LA City HS_combined.pdf

To whom it may concern,

Michael Baker International is conducting a cultural resources investigation for the 1950-1960 East Grand Avenue project in El Segundo; see the attached file for a project location and description. Please notify us if your organization has any information or concerns about historic properties in the area of potential effect. This is not a request for research; it is solely a request for public input related to any concerns that the Historical Society may have. If you have any questions, please contact me at your earliest convenience at chris.wendt@mbakerintl.com or (707) 787-7488.

Sincerely,

Chris Wendt | Architectural Historian
2729 Prospect Park Dr. Suite 220 | Rancho Cordova, CA 95670 | [O] 925-949-2461 |
chris.wendt@mbakerintl.com | www.mbakerintl.com

Michael Baker
INTERNATIONAL

We Make a Difference

July 23, 2021

LOS ANGELES CITY HISTORICAL SOCIETY
P.O. BOX 862311
LOS ANGELES, CA 90086-2311

RE: CONSULTATION FOR THE 1950-1960 EAST GRAND AVENUE PROJECT, EL SEGUNDO, LOS ANGELES COUNTY, CALIFORNIA

To Whom It May Concern:

Michael Baker International is conducting a cultural resources investigation for the 1950-1960 East Grand Avenue Project (project). The project is located at 1950-1960 East Grand Avenue, in the City of El Segundo, as depicted on the accompanying figures (see **Attachment 1**).

The project proposes the construction of a commercial office building located at 1950 East Grand Avenue (Assessor Parcel Number [APN]: 4138-007-065). The proposed commercial office building is to be 4-stories in height with 93,559 net square-footage and will include a mezzanine level and a new 23-space parking lot. In addition, the project proposed the construction of a 4-level parking structure with 258 spaces located at 1960 East Grand Avenue (APN: 4138-007-066). Furthermore, the project proposes landscape and hardscape improvements that include the addition of a large outdoor landscaped plaza with outdoor seating. The proposed plaza will be located between the existing 12-story office building at 1960 East Grand Avenue and the proposed 4-story office building at 1950 East Grand Avenue and which will create a cohesive pedestrian-oriented office campus.

Please notify us if your organization has any information or concerns about historical resources on the project site. This is not a request for research; it is solely a request for public input related to any concerns that the Los Angeles City Historical Society may have. If you have any questions, please contact me at your earliest convenience at chris.wendt@mbakerintl.com or (925) 949-2461.

Sincerely,

Chris Wendt

Chris Wendt M.A.
Architectural Historian

Attachments:
Attachment 1 - Figures

FIGURE 1

Regional Location Map

Michael Baker INTERNATIONAL

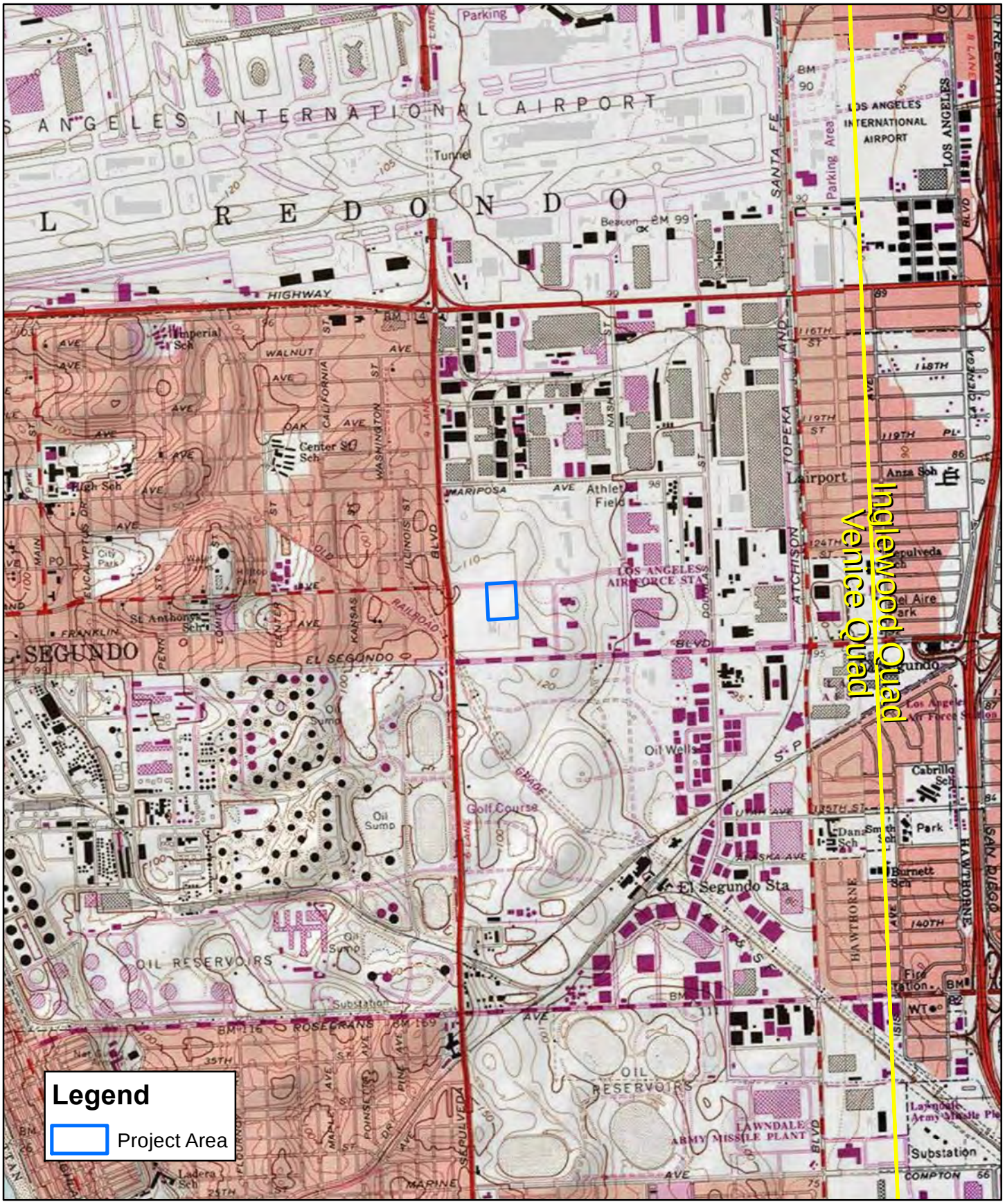

FIGURE 2

Project Location Map

Michael Baker INTERNATIONAL

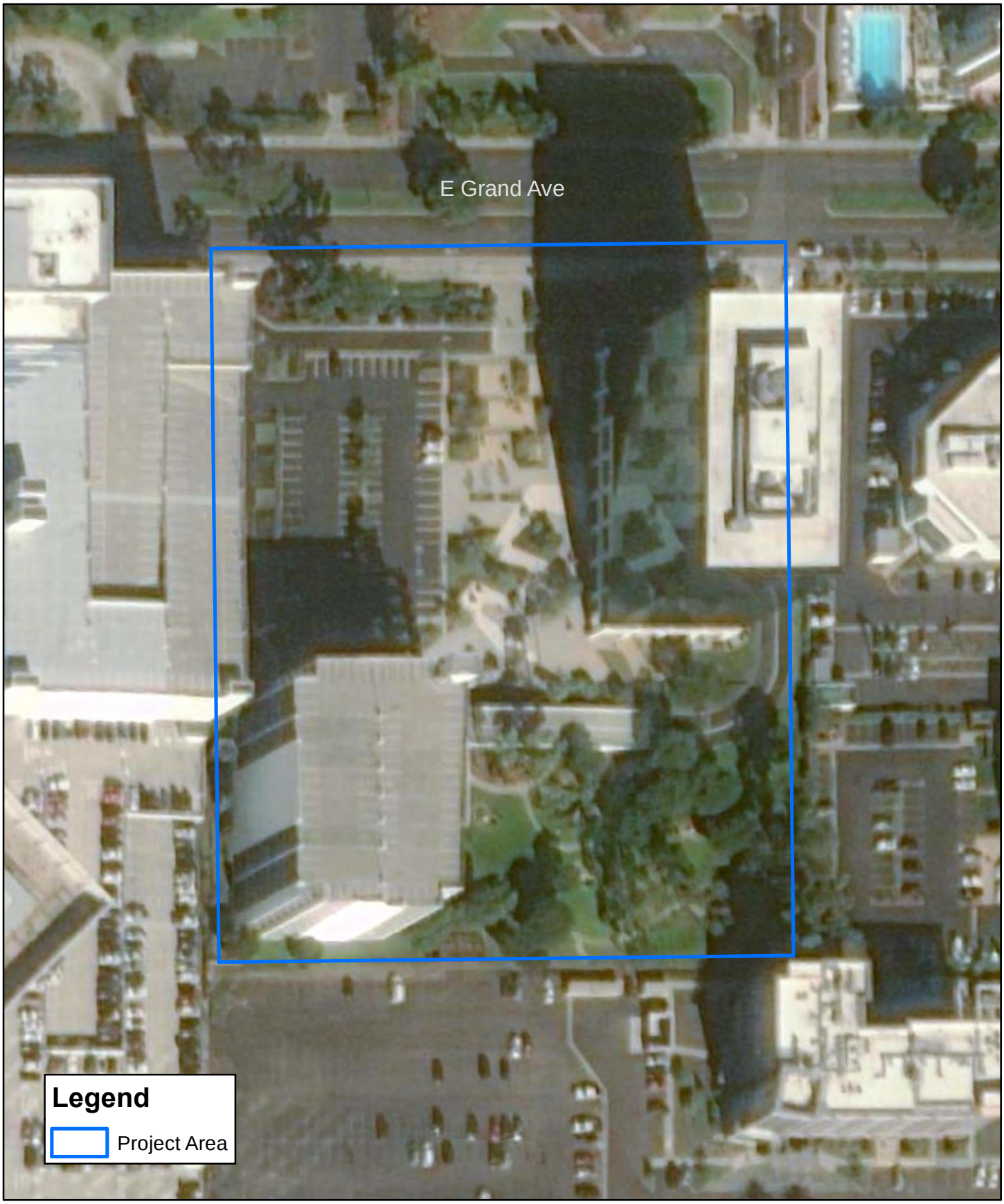

FIGURE 3

Project Area

Michael Baker INTERNATIONAL

Attachment 3

NHMLA Paleontological Record Search

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007
tel 213.763.DINO
www.nhm.org

NATURAL HISTORY MUSEUM
LOS ANGELES COUNTY

Research & Collections

e-mail: paleorecords@nhm.org

June 18, 2021

Michael Baker International

Attn: Chris Wendt

re: Paleontological resources for an office building project at 1950-1960 E Grand Ave

Dear X-person:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the office building project area as outlined on the portion of the Venice USGS topographic quadrangle map that you sent to me via e-mail on June 15, 2021. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM IP 34957-34958	El Segundo Power Generating Station; Water line trench on Franklin Ave., approx. 10 ft E of Standard St.	Marine Terrace (Late Pleistocene; massive, light brown to reddish-brown sand)	Pismo clam (*Tivela stultorum*) and other invertebrates	3 – 20 ft bgs
LACM VP 3264	Los Angeles International Airport	Unknown formation (Pleistocene sands)	Elephant family (Proboscidea)	25 ft bgs
LACM VP 7332	Westchester, NW of intersection of West Century Blvd & Bellanca Ave	Unknown formation (Pleistocene; silty sand)	Mammoth (*Mammuthus*)	40 ft bgs
LACM VP 4942	SE corner of Airport Blvd. & Manchester Ave	Unknown formation (Pleistocene, massive sandy mudstone w scattered pieces of gravel)	Mammoth (*Mammuthus*); bison (*Bison*); hare (*Lepus*)	16 ft bgs
LACM VP 3789	8734 Bellanca Avenue, Westchester	Unknown (Pleistocene; pebbly gray-green to brown mud that directly overlies a gray-green	Mammoth (*Mammuthus*)	14 ft bgs

		fine sand)		
LACM VP 3266	W Athens Blvd & Menlo Ave, Athens	Unnamed formation (Pleistocene, calcareous siltstone)	Uncatalogued vertebrates	15-18 ft bgs

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the Natural History Museum of Los Angeles County ("NHMLA"). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

Michael Baker
INTERNATIONAL

Appendix E
Report of Geotechnical Consultation

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wood.

Report of Geotechnical Consultation

Proposed Development

1950 and 1960 Grand Avenue
El Segundo, California

Prepared for:

1960 GRAND OFFICE OWNER 1, L.P.,
A DELAWARE LIMITED PARTNERSHIP
Santa Monica, California

Project 4953-20-0331

June 5, 2020 Revised
November 3, 2020

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June 5, 2020 Revised November 3, 2020
Wood Project 4953-20-0331

Mr. Collin Komae
1960 GRAND OFFICE OWNER 1, L.P., A DELAWARE LIMITED PARTNERSHIP
3000 Olympic Boulevard, Suite 1255
Santa Monica, California 90404

Subject: Letter of Transmittal
Report of Geotechnical Consultation
Proposed Development
1950 and 1960 Grand Avenue
El Segundo, California

Dear Mr. Komae:

We are pleased to submit the results of our geotechnical consultation in support of the proposed development to be constructed at 1950 and 1960 Grand Avenue in El Segundo, California. This consultation was performed in general accordance with the agreement between owner and consultant dated May 20, 2020. This report has been revised based on comments from Mr. Richard Chen of Labib Funk + Associates and Ms. Kimberly Christensen of Kimberly Christensen Consulting and our change order request dated August 12, 2020.

The scope of our services was planned based on our discussions with Mr. Robert Revzan of Artesian Realty Advisors. Mr. Revzan provided us with a description of the project and a conceptual design plan for the project dated April 15, 2020.

The results of our current geotechnical consultation and design recommendations are presented in this report. Please note that you or your representative should submit copies of this report to the appropriate governmental agencies for their review and approval prior to obtaining a building permit.

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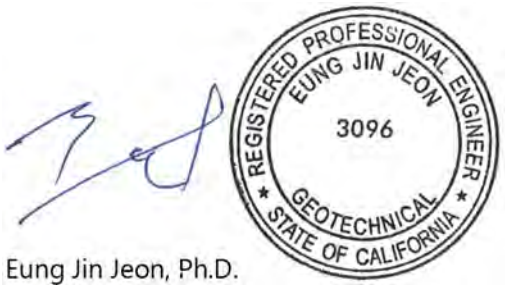
It has been a pleasure to be of professional service to you. Please contact us if you have any questions or if we can be of further assistance.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.



Eung Jin Jeon, Ph.D.
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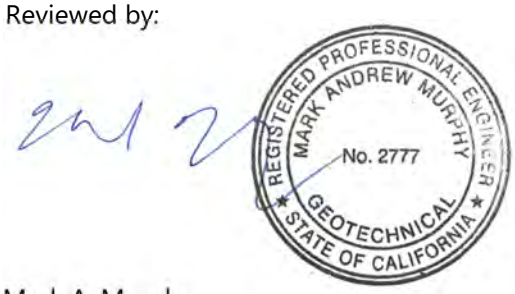
Principal Engineering Geologist

Reviewed by:



Mark A. Murphy
Principal Geotechnical Engineer

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(Electronic copies submitted)

Report of Geotechnical Consultation
Proposed Development

1950 and 1960 Grand Avenue
El Segundo, California

Prepared for:

1960 GRAND OFFICE OWNER 1, L.P., A DELAWARE LIMITED PARTNERSHIP
Santa Monica, California

Wood Environment & Infrastructure Solutions, Inc.
Los Angeles, California

June 5, 2020 Revised November 3, 2020

Project 4953-20-0331

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Executive Summary

We have completed our geotechnical consultation for the proposed development located at 1950 and 1960 Grand Avenue in El Segundo, California. Prior subsurface explorations, engineering analyses, and foundation design recommendations are summarized below.

The proposed project will consist of a new five-story office building and three-level parking structure. The structural details are not available at this time. However, no significant subterranean construction is planned as part of the proposed project; only minor grading and site work are anticipated.

Existing fill soils, between 2 and 2 feet in thickness, were encountered in our prior borings within the proposed development areas. The thickness of fill at each prior boring location is shown on Figure 2. It should be noted that the site grade has been lowered several feet since the time our prior borings were drilled. The fill soils consist of silty sand and sand. Deeper fill could occur between borings and in unexplored areas, particularly near where utilities and/or structures are located or were previously located. The underlying natural soils generally consist of sands with some near surface silty sands and layers of clayey silt and sandy silt below a depth of 80 feet below ground surface (bgs). Groundwater was not encountered within the maximum 101-foot depth explored at the site. The historic-high groundwater level near the site is mapped by the California Geological Survey (CGS) to be deeper than 40 feet bgs.

Based on the available geologic data, active or potentially active faults with the potential for surface fault rupture are not known to be located directly beneath or projecting toward the site. Therefore, the potential for surface rupture due to fault plane displacement propagating to the surface at the site during the design life of the building is considered low. Although the site could be subjected to strong ground shaking in the event of an earthquake, this hazard is common in Southern California and the effects of ground shaking can be mitigated by proper engineering design and construction in conformance with current building codes and engineering practices. The site is relatively level and the absence of nearby slopes precludes slope stability hazards. The site is located within the limits of the El Segundo Oil Field, therefore, there is a possibility that undocumented wells could be encountered during construction. Any well encountered would need to be properly abandoned in accordance with the current requirements of CalGEM. Additionally, the site is within an area with the potential for methane and other volatile gases to occur beneath the site. A methane investigation may be required by the City of El Segundo. The potential for other geologic hazards such as liquefaction, tsunamis, inundation, seiches, and subsidence affecting the site is considered low. We estimate that the seismically-induced settlement beneath the site will be less than 1 inch in the event of the Maximum Considered Earthquake.

Based on the prior field investigations, existing fill was encountered to depths of between approximately 5 and 12 feet bgs within the approximate footprint of the proposed five-story office building and between approximately 2 and 10 feet bgs within the footprint of the proposed three-level parking structure. Deeper fill soils could be present between the borings or elsewhere at the site. As previously stated, LCA observed the placement and compaction of fill soils during the construction of the existing buildings at the site and the placement and compaction of up to eight feet of fill soils within the property during the development of the general area in the late 1960s and early 1970s; however, all existing fill soils were not excavated prior to the placement of this fill. Furthermore, the fill that was observed and tested during placement in the late 1960s and early 1970s was compacted to at least 90% of the maximum dry density obtainable by the ASTM Designation D1557-66T method of compaction, modified to use three layers. Therefore, these fill soils were not compacted to the current standard of at least 90% of the maximum dry density obtainable by the ASTM Designation D1557

using five layers. Accordingly, the existing fill soils are not considered suitable for support of the proposed buildings or floor slabs on grade.

If all existing fill is excavated and replaced as properly compacted fill, the proposed office building and parking structure may be supported by spread/continuous footings established in the resulting properly compacted fill and/or the undisturbed natural soils and floor slabs may be supported on grade. As an alternative, the existing fill soils may be left in-place, and the proposed structures could be supported on deep foundations extending through the fill into the underlying natural soils. Deep foundations could consist of drilled cast-in-place concrete piles, driven pre-cast concrete piles, or augered cast-in-place (ACIP) concrete piles. However, driven piles may not be a desirable alternative because of the expected noise and vibration during pile driving. Recommendations for shallow foundations, drilled cast-in-place pile foundations, and ACIP pile foundations are presented in the following sections. Recommendations for driven pile foundations can be also provided, if desired.

Floor slabs should be structurally supported if it is desired to leave the existing fill in place and support the building on deep foundations.

Ideally, all existing fill should excavated and replaced as properly compacted fill for support of pavement and other exterior concrete walks and slabs on grade. However, if the risk of settlement and greater than normal maintenance is considered acceptable, the grading in these areas could be limited to scarification and compaction of the upper 6 inches of the subgrade. Where all existing fill is not excavated and replaced as properly compacted fill, the exposed subgrade should be carefully observed to identify any soft/loose areas that would require additional excavation and/or compaction.

1.0 Scope

This report provides geotechnical design information for the proposed development located at 1950 and 1960 Grand Avenue in El Segundo, California. The proposed development consists of the construction of a new five-story office building and three-level parking structure. The location of the project site is illustrated on Figure 1, Site Vicinity Map. The locations of existing buildings, our prior exploration borings, and the proposed structures are shown on Figure 2, Plot Plan.

Our predecessor firm of LeRoy Crandall and Associates (LCA) performed the original geotechnical investigation for the subject site, the results of which were submitted in a report entitled "Report of Geotechnical Investigation: Proposed Building Development; Grand Avenue Between Sepulveda, Continental, and El Segundo Boulevards, El Segundo, California; for the Nu-West Inc.; LCA Job No. ADE-81408; dated February 8, 1982" and a supplemental report dated June 22, 1984. In addition, LCA provided geotechnical observation and testing services of the compacted fill placed to grade the site and pile driving for the existing buildings. The results of the LCA geotechnical inspection were presented in a report entitled "Inspection and Testing of Compacted Fill, and Inspection of Foundation Excavations: Xerox Centre – Building 1; 1960 Grand Avenue, El Segundo, California; for the Homart Development Corporation; LCA Job No. B-85241; dated February 5, 1988" and "Soil Inspection and Testing Services: Parking Structure – Phase I; 1940 East Grand Avenue, El Segundo, California; for the Homart Development Corporation; LCA Job No. B-85241-B; dated March 10, 1988." LCA also provided geotechnical inspection and testing services during the grading for the development of the general area in 1969, 1970, and 1971. We acknowledge that we have reviewed the aforementioned reports and we concur with the data findings contained therein.

This consultation was authorized to evaluate the physical characteristics of the soils at the site of the proposed development based on the existing data available and to provide recommendations for design of foundations and minor retaining walls, for floor slab support, for hardscape and paving support, and for grading for the project. More specifically, the scope of this consultation included the following:

- Review of prior geotechnical data at the site.
- Perform surface wave measurements at the site to estimate the shear wave velocity profile beneath the site.
- Perform a limited geologic-seismic hazards evaluation.
- Recommend foundation parameters for design of foundations, including frictional resistance, passive resistance, and the anticipated total and differential settlements due to expected structural loadings.
- Provide seismic design parameters based on the current California Building Code (CBC).
- Perform a site-specific ground motion hazard analysis in accordance with requirements of the 2019 CBC and ASCE 7-16.
- Provide recommendations for subgrade preparation and floor slab support.

- Provide recommendations for design of minor retaining walls.
- Provide recommendations for earthwork, including site preparation, excavation, the placing of compacted fill, and quality control measures relating to earthwork.
- Provide preliminary findings regarding the feasibility of infiltration as a means of disposal of onsite stormwater runoff based on the soil types underlying the site.
- Provide recommendations for design of asphalt and portland cement concrete paving.

The scope of this consultation did not include the assessment of general site environmental conditions for the presence of contaminants in the soils and groundwater of the site.

Our recommendations are based on the results of the prior field explorations, laboratory tests, and appropriate engineering analyses. The results of the prior field explorations and laboratory tests are presented in Appendix A.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical consultants practicing in this or similar localities. No other warranty, express or implied, is made as to the professional advice included in this report. This report has been prepared for 1960 GRAND OFFICE OWNER 1, L.P. and their design consultants to be used solely in the design of the proposed development in El Segundo, California. This report has not been prepared for use by other parties, and may not contain sufficient information for purpose of other parties or other uses.

2.0 Site Conditions and Project Description

The project site was part of a former oil field. There may have been oil sumps and possibly below grade storage reservoirs that have been backfilled. The site was graded as part of the development of the general area in 1969, 1970, and 1971; this grading consisted of the placement of compacted fill. The specification for this previous grading did not require that all existing fill soils be removed prior to placing new fill. LCA inspected and tested the placement of the new fill, as requested by the developer at that time. Our records indicate that up to eight feet fill was placed during this grading period.

The site is currently occupied by a nine-level parking structure, a 12-story office building, a surface parking lot, and various landscape and hardscape features. The existing parking structure contains one to two basement levels, with a lowest finished floor elevation (FFE) established at Elevation 93, and is supported on conventional spread/continuous footings. The existing office building does not contain a basement level (lowest FFE established at Elevation 113.5) and is supported on driven 12-inch square pre-cast pre-stressed concrete piles, ranging between approximately 26 and 39 feet in length. The site currently slopes down gently to the north, with a difference in elevation of approximately 10 feet across the property. Various underground utilities cross the site.

The proposed project will consist of a new five-story office building and three-level parking structure. The structural details are not available at this time. However, no significant subterranean construction is planned as part of the proposed project; only minor grading and site work are anticipated. For the purposes of this report, we have assumed that maximum dead-plus-live column loads for the proposed office building and parking structure will be on the order of 500 kips or less.

3.0 Field Explorations and Laboratory Tests

Subsurface information at the project site was available from prior geotechnical investigations performed by our predecessor firm (LCA) that performed the original geotechnical investigation for the subject site. The prior LCA borings were drilled to depths of between 5 and 101 feet below ground surface (bgs) at the time of drilling. The boring locations from the prior investigations are illustrated on Figure 2. Details of the prior explorations and the logs of the borings are presented in Appendix A. Surface wave measurements were recently performed for us by GEOVision to estimate the shear wave velocity profile beneath the site; the results of these measurements are presented in Appendix B.

Laboratory tests were performed by LCA on selected samples to aid in the classification of the soils and to evaluate the pertinent engineering properties of the foundation soils. The following tests were performed:

- Moisture content and dry density determinations.
- Direct Shear.
- Consolidation.
- Compaction.
- California Bearing Ratio.

All testing was performed in general accordance with applicable ASTM specifications at the time of testing. Details of the prior laboratory testing program are presented in the Appendix.

4.0 Soil Conditions

Existing fill soils, between 2 and 22 feet in thickness, were encountered in our prior borings within the proposed development areas. The thickness of fill at each prior boring location is shown on Figure 2. It should be noted that the site grade has been lowered several feet since the time our prior borings were drilled. The fill soils consist of silty sand and sand. Deeper fill could occur between borings and in unexplored areas, particularly near where utilities and/or structures are located or were previously located.

The underlying natural soils generally consist of sands with some near surface silty sands and layers of clayey silt and sandy silt below a depth of 80 feet bgs.

Groundwater was not encountered within the maximum 101-foot depth explored at the site. The historic-high groundwater level near the site is mapped by the California Geological Survey (CGS) to be deeper than 40 feet bgs.

5.0 Limited Geologic-Seismic Hazards Evaluation

5.1 Geologic Setting

The site is located in the Centinela Valley, a broad plain extending from the Baldwin Hills on the north and the Palos Verdes Hills on the south. Geomorphically, it is in the coastal portion of California's Peninsular Ranges Geomorphic Province. This province extends north-westerly from Baja California into the Los Angeles Basin and westerly into the offshore area, including Santa Catalina, Santa Barbara, San Clemente, and San Nicolas islands (Yerkes et al., 1965). The Newport-Inglewood fault zone, located approximately 3.7 miles northeast of the site, is the major structural feature in the vicinity of the site.

Locally, the site is situated approximately 1 mile south of Los Angeles International Airport and approximately 2.2 miles east of the Pacific Ocean at a mean elevation of 113 feet above mean sea level (AMSL) (NAVD 88). The location of the site in relation to regional topography is shown on Figure 1, Site Vicinity Map.

5.2 Geologic Materials

According to published geologic maps and reports, the site is underlain by late to middle Pleistocene-age eolian and dune deposits (Saucedo et al., 2016; Dibblee and Minch, 2007; CDMG, 1998). Our prior geotechnical investigation drilled 24 exploratory borings within the property with total depths ranging from 5 feet to 101 feet (LeRoy Crandall and Associates, 1981, 1982 and 1984). According to these reports, the fill ranged from 2 feet to 22 feet bgs in the proposed development areas and consisted of silty sand and sand. Below the fill, the eolian and dune deposits consisted primarily of sand with some near surface silty sand and layers of clayey silt and sandy silt below a depth of 80 feet to the maximum depths explored.

The site was part of a former oil field. The site was graded as part of the development of the general area in 1969, 1970, and 1971. The specifications for this previous grading did not require removal of existing fill soils prior to placement of new compacted fill. Up to 8 feet of fill was placed during this period, which was observed and tested by our predecessor firm LeRoy Crandall and Associates. During the 1981, 1982 and 1984 investigations, a petroliferous odor was noted in several of the borings in the artificial fill at discrete depths ranging from 3 feet to 19 feet in the project area. A subsequent investigation was performed in 1986 to evaluate the petroliferous odors (LeRoy Crandall and Associates, 1986). Additional borings were drilled and soil samples were tested for the presence of hydrocarbons. The constituents analysed were below the level of detection in the samples. The report concluded that the contamination was minor and did not constitute a hazard to the environment or human health and safety (LeRoy Crandall and Associates, 1986).

5.3 Groundwater

The Site is located in the West Coast subbasin of the Coastal Plain of the Los Angeles Groundwater Basin (California Department of Water Resources [DWR], 2003). The West Coast subbasin is bounded by the Ballona Escarpment on the north, the Palos Verdes Hills on the south, the Newport-Inglewood fault zone on the east, and the Pacific Ocean on the west (DWR, 2003). In general, the subsurface is characterized by unconsolidated and semi-consolidated marine and terrestrial fluviodeltaic (alluvial) sediments deposited between Holocene and late Pliocene ages (Poland et al., 1959). Below the site, the primary water-bearing zones in order of depth, are the Old Dune Sand (ODS) aquifer, Gage aquifer, and the Silverado aquifer (DWR, 1961).

The site is approximately 1,500 feet east of the alignment of the West Coast Basin Barrier Project (WCBBP) (Intera, 2019). The WCBBP injects water into the Gage and Upper Silverado aquifers to prevent salt water intrusion. The injection creates a hydraulic mound or ridge along the line of injection wells, which influences

hydraulic gradients in the Gage and Upper Silverado Aquifers near the injection wells and can also locally influence the Old Sand Dune aquifer (upper 100 feet bgs).

Water was not encountered in our prior geotechnical explorations to the maximum drilled depth of 101 feet. According to the California Geological Survey (CGS), formerly the California Division of Mines and Geology (CDMG), the historic-high groundwater level is greater than 40 feet bgs (CDMG, 1998).

5.4 Geologic-Seismic Hazards

Surface Fault Rupture

The site is not within a currently established Alquist-Priolo Earthquake Fault Zone (A-P Zone) for surface fault rupture hazard (CGS 2020a, 2018a, 2002). An A-P Zone is an area which requires investigation to evaluate whether the potential for surface fault rupture is present near an active fault (CGS, 2018b; Bryant and Hart, 2007). An active fault is defined as a fault with surface displacement within the last 11,700 years (Holocene). The closest active fault is located approximately 3.7 miles northeast of the site for a section of the Newport-Inglewood fault zone (CGS, 2002; Jennings and Bryant, 2010). The closest A-P Zone is associated with a section of the Newport-Inglewood fault and is approximately 3.6 miles northeast of the site (CGS, 2020a and 2002).

Based on the available geologic data, active faults with the potential for surface fault rupture are not known to be located directly beneath or projecting toward the project site. Therefore, the potential for surface rupture due to fault plane displacement propagating to the surface at the project site during the design life of the proposed development is considered low.

Seismicity and Ground Shaking

The proximity of the site relative to known active faults indicates the site could be subjected to significant ground shaking caused by earthquakes. This hazard is common in Southern California and the effects of ground shaking can be mitigated by proper engineering design and construction in conformance with current building codes and engineering practices.

Liquefaction and Seismic-Induced Settlement

Liquefaction potential is greatest where the groundwater level is shallow, and submerged loose, fine sands occur within a depth of about 50 feet or less. Liquefaction potential decreases as grain size and clay and gravel content increase. As ground acceleration and shaking duration increase during an earthquake, liquefaction potential increases. According to the City of El Segundo General Plan Public Safety Element (1992) and the CGS (CGS, 2018a), the site is not within an area identified as having a potential for liquefaction. Based on the absence of groundwater in the upper 50 feet bgs beneath the site, the potential for liquefaction is considered low.

Seismically-induced settlement is often caused by loose to medium-dense granular soils densified during ground shaking. Dry and partially saturated soils as well as saturated granular soils are subject to seismic-induced settlement. Generally, differential settlements due to seismically-settlement could have adverse effects on structures. Based on our borings and our recent surface wave measurements, the site is underlain by Pleistocene-age sediments composed of dense poorly graded sand. We estimate that the seismically-induced settlement beneath the site will be less than 1 inch in the event of the Maximum Considered Earthquake.

Slope Stability

Topographically, the site is relatively level precluding any slope stability hazards. According to the CGS (2018a), the site is not within an area identified as having a potential for landslide susceptibility. Additionally, the site is not within an area identified as having a potential for earthquake-induced landslides (CGS, 2020b).

Tsunamis, Inundation, Seiches, Flooding and Subsidence

The site is at an approximate mean elevation of 113 feet AMSL. The site is not in a Tsunami Inundation Area (California Emergency Management Agency, California Geological Survey, and University of Southern California, 2009.) Therefore, tsunamis (seismic sea waves) are not considered a significant hazard at the site.

According to the City of El Segundo General Plan Public Safety Element (1992) and mapping by the California Office of Emergency of Services (CalOES, 2007), the site is not located downslope of any large bodies of water that could adversely affect the site in the event of earthquake-induced dam failures or seiches (wave oscillations in an enclosed or semi-enclosed body of water).

The site is in an area of minimal flooding potential (Zone X). Zone X, as defined by the Federal Emergency Management Agency (FEMA, 2008), is an area outside of the 0.2% annual chance flood. Therefore, the potential for flooding at the site is considered low.

The site is not within an area of known subsidence associated with fluid withdrawal (groundwater or petroleum), peat oxidation, or hydrocompaction.

Oil Wells and Methane Gas

According to the California Geologic Energy Management Division's [CalGEM, previously the California Division of Oil, Gas, and Geothermal Resources (DOGGR)] Well Finder System, the site is situated within the active El Segundo oil field. Although there are no known oil wells within the site, there are 7 known oil wells within 1,000 feet of the site (CalGEM, 2020). The wells are classified as "plugged." The closest active oil well is approximately 3,500 feet west-southwest of the site. There is a remote possibility that undocumented wells could be encountered during construction. Any well encountered would need to be properly abandoned in accordance with the current requirements of CalGEM.

Oil and gas wells are potential concerns when they seep oil or gas, are not abandoned to current regulations, or have associated surface contamination. They may also be associated with methane hazards. According to the Los Angeles County Department of Public Work's Solid Waste Information Management System (LACDPW, 2020), the site "is located within 300 feet of one or more oil or gas wells. A methane mitigation system may be required."

5.5 Geologic Conclusions

Based on the available geologic data, active or potentially active faults with the potential for surface fault rupture are not known to be located directly beneath or projecting toward the site. Therefore, the potential for surface rupture due to fault plane displacement propagating to the surface at the site during the design life of the building is considered low.

Although the site could be subjected to strong ground shaking in the event of an earthquake, this hazard is common in Southern California and the effects of ground shaking can be mitigated by proper engineering design and construction in conformance with current building codes and engineering practices.

The site is relatively level and the absence of nearby slopes precludes slope stability hazards. The site is located within the limits of the El Segundo Oil Field, therefore, there is a possibility that undocumented wells could be encountered during construction. Any well encountered would need to be properly abandoned in accordance with the current requirements of CalGEM. Additionally, the site is within an area with the potential for methane and other volatile gases to occur beneath the site. A methane investigation may be required by the City of El Segundo. The potential for other geologic hazards such as liquefaction, tsunamis, inundation, seiches, and subsidence affecting the site is considered low. We estimate that the seismically-induced settlement beneath the site will be less than 1 inch in the event of the Maximum Considered Earthquake.

6.0 Recommendations

6.1 General

Based on the prior field investigations, existing fill were encountered to depth of between approximately 5 and 12 feet bgs within the approximate footprint of the proposed five-story office building and between approximately 2 and 10 feet bgs within the footprint of the proposed three-level parking structure. Deeper fill soils could be present between the borings or elsewhere at the site. As previously stated, LCA observed the placement and compaction of fill soils during the construction of the existing buildings at the site and the placement and compaction of up to eight feet of fill soils within the property during the development of the general area in the late 1960s and early 1970s; however, all existing fill soils were not excavated prior to the placement of this fill. Furthermore, the fill that was observed and tested during placement in the late 1960s and early 1970s was compacted to at least 90% of the maximum dry density obtainable by the ASTM Designation D1557-66T method of compaction, modified to use three layers. Therefore, these fill soils were not compacted to the current standard of at least 90% of the maximum dry density obtainable by the ASTM Designation D1557 using five layers. Accordingly, the existing fill soils are not considered suitable for support of the proposed buildings or floor slabs on grade.

If all existing fill is excavated and replaced as properly compacted fill, the proposed office building and parking structure may be supported by spread/continuous footings established in the resulting properly compacted fill and/or the undisturbed natural soils and floor slabs may be supported on grade. As an alternative, the existing fill soils may be left in-place, and the proposed structures could be supported on deep foundations extending through the fill into the underlying natural soils. Deep foundations could consist of drilled cast-in-place concrete piles, driven pre-cast concrete piles, or augered cast-in-place (ACIP) concrete piles. However, driven piles may not be a desirable alternative because of the expected noise and vibration during pile driving. Recommendations for shallow foundations, drilled cast-in-place pile foundations, and ACIP pile foundations are presented in the following sections. Recommendations for driven pile foundations can be also provided, if desired.

Floor slabs should be structurally supported if it is desired to leave the existing fill in place and support the building on deep foundations.

Ideally, all existing fill should excavated and replaced as properly compacted fill for support of pavement and other exterior concrete walks and slabs on grade. However, if the risk of settlement and greater than normal maintenance is considered acceptable, the grading in these areas could be limited to scarification and compaction of the upper 6 inches of the subgrade. Where all existing fill is not excavated and replaced as properly compacted fill, the exposed subgrade should be carefully observed to identify any soft/loose areas that would require additional excavation and/or compaction.

6.2 Foundations

6.2.1 Shallow Foundations

Bearing Value and Settlement

If all of the existing fill soils are excavated and replaced as properly compacted fill, spread/continuous footings established in properly compacted fill and/or undisturbed natural soils and at least 2 feet below the lowest adjacent grade or floor level may be designed to impose an allowable net dead-plus-live load bearing pressure corresponding to the column loads and tolerable settlements presented on Figure 3, with a maximum value of 8,000 pounds per square foot. The estimated settlements for the range of anticipated dead-plus-live loads are presented on Figure 3. Differential settlement will depend on the distribution of structural loads and can be

determined between individual columns using the values provided on Figure 3. Where higher settlement values can be tolerated, higher bearing values may be used, as shown on Figure 3. We anticipate that the majority of the estimated settlements will occur relatively quickly after the structural loads are applied.

The footing excavations should be deepened as necessary to extend into satisfactory soils. A one-third increase in the allowable bearing values may be used for wind or seismic loads. The recommended bearing values are net values, and the weight of concrete in the footings may be taken as 50 pounds per cubic foot; the weight of soil backfill may be neglected when determining the downward loads.

While the actual bearing value and settlement of compacted fill will depend on the materials used and the compaction methods employed, the quoted bearing values and settlements will be applicable if the on-site soils are used and are compacted as recommended. The bearing value of the compacted fill should be confirmed during grading.

Lateral Resistance

Lateral loads may be resisted by soil friction and by the passive resistance of the soils. A coefficient of friction of 0.4 may be used between the footings and the floor slab and the supporting undisturbed natural soils or properly compacted fill soils. The passive resistance of the undisturbed natural soils and/or properly compacted fill may be assumed to be equal to the pressure developed by a fluid with a density of 300 pounds per cubic foot. A one third increase in the passive values may be used when considering wind or seismic loads. The passive resistance and the frictional resistance of the soils may be combined without reduction in determining the total lateral resistance.

Ultimate Values

The recommended bearing and lateral load design values are for use with loadings determined by a conventional working stress design. When considering an ultimate design approach, the recommended design values may be multiplied by the following factors:

Design Item	Ultimate Design Factor
Bearing Value	3.0
Coefficient of Friction	1.5
Passive Resistance	1.5

In no event, however, shall foundation sizes be less than those required to support dead-plus-live loads when using the working stress design method.

6.2.2 Drilled Cast-In-Place Concrete Piles

Axial Capacities

The allowable downward and upward capacities of 18-, 24-, and 30-inch-diameter drilled cast-in-place concrete piles as a function of penetration into natural soils are presented on Figure 4. The pile capacities shown on Figure 4 are dead-plus-live load capacities; a one-third increase may be used for wind or seismic loads. The capacities presented are based on the strength of the soils; the compressive and tensile strength of the pile sections should be checked to verify the structural capacity of the piles. Piles in groups should be spaced at least

3 pile diameters on centers. If the piles are so spaced, no reduction in the axial capacities need be considered due to group action.

Settlement

We estimate the settlement of the proposed office building and parking structure, supported on drilled cast-in-place concrete piles in the manner recommended, to be less than ½ inch. The differential settlement between adjacent columns is estimated to be less than ¼ inch.

Lateral Loads

Lateral loads may be resisted by the piles and by the passive resistance of the soils against pile caps. We have computed the lateral capacities of the piles using the computer program LPILE by ENSOFT, Inc. The resistance of the soils adjacent to 18-, 24-, and 30-inch-diameter drilled or ACIP concrete piles are shown in the following tables for top of pile deflections of ¼ and ½ inch. These resistances have been calculated assuming both free and fixed-head pile conditions. The lateral resistance of other sizes of piles may be assumed to be proportional to the pile diameter. The piles should be long enough to reach the depths to zero moment presented in the following tables.

Lateral Load Design Data
18-inch-diameter Drilled or ACIP Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	**Free**	**Fixed**	**Free**	**Fixed**
Lateral Load (kips)	10	30	19	59
Maximum Moment (inch-kips)	550	1,710	1,100	3,340
Depth to Maximum Moment (ft)	8	0	8	0
Depth to Zero Moment (ft)	24½	25½	24½	25½

Lateral Load Design Data
24-inch-diameter Drilled or ACIP Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	**Free**	**Fixed**	**Free**	**Fixed**
Lateral Load (kips)	18	59	37	115
Maximum Moment (inch-kips)	1,340	3,940	2,650	7,700
Depth to Maximum Moment (ft)	8½	0	8½	0
Depth to Zero Moment (ft)	30	31½	30	31½

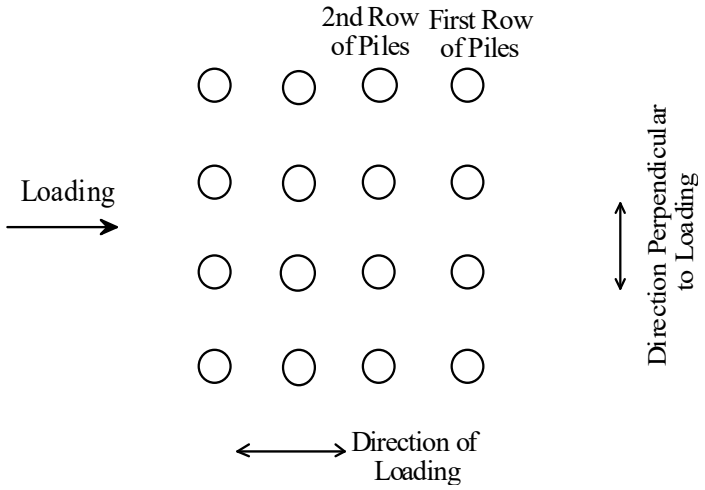
Lateral Load Design Data
30-inch-diameter Drilled or ACIP Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	**Free**	**Fixed**	**Free**	**Fixed**
Lateral Load (kips)	31	99	61	189
Maximum Moment (inch-kips)	2,570	7,510	5,060	14,460
Depth to Maximum Moment (ft)	9	0	9	0

Depth to Zero Moment (ft)	35	37	35½	37

By: LH 5/28/20 Checked: EJJ 5/29/20

For piles in groups spaced as shown below and at least 3 pile diameters on centers, no reduction in the lateral capacities need be considered for the first (leading) row of piles in the direction perpendicular to loading. For subsequent rows in the direction of loading, piles in groups spaced closer than 8 pile diameters on centers will have a reduction in lateral capacity due to group effects. Therefore, the lateral capacity of piles in groups, except for the first row of piles, spaced at 3 pile diameters on centers, may be assumed to be reduced by half. The reduction of lateral capacity in the direction of loading for other pile spacing may be interpolated.



Lateral loads may be resisted by the piles and the passive resistance of the soils against pile caps. The resistance of the piles and the passive resistance of the soils against pile caps and grade beams may be combined without reduction in determining the total lateral resistance. The passive resistance of the existing fill soils against pile caps and grade beams may be assumed to be equal to the pressure developed by a fluid with a density of 210 pounds per cubic foot. A one-third increase in the passive value may be used for wind or seismic loads.

Drilled Pile Installation

Based on the results of our prior borings, caving in the sandy soils should be anticipated and special provisions to prevent caving of shaft side walls during construction may be required. Special drilling provisions include, but are not limited to, reduced drilling speed and the use of casing and/or drilling mud. As some caving and raveling may occur during installation, piles spaced less than five diameters on center should be drilled and filled alternately, with the concrete permitted to set at least 24 hours before drilling an adjacent hole. Pile excavations should be filled with concrete as soon after drilling and inspection as possible; the holes should not be left open overnight.

Only competent drilling contractors with experience in the installation of drilled cast-in-place piles in similar soil and groundwater conditions should be considered for the pile construction. We suggest requesting the piling contractor to submit a list of similar projects along with references for each project.

As geotechnical engineer of record (GEOR), we should observe the drilling of the pile excavations and the placing of the concrete continuously to verify that the desired diameter and depth of piles are achieved.

6.2.3 Augered Cast-In-Place (ACIP) Concrete Piles

Axial Capacities

The allowable downward and upward capacities of 18-, 24-, and 30-inch-diameter ACIP piles as a function of penetration into natural soils are presented on Figures 5.1 and 5.2. The pile capacities shown on Figures 5.1 and 5.2 are dead-plus-live load capacities; a one-third increase may be used for wind or seismic loads. The capacities presented are based on the strength of the soils; the compressive and tensile strength of the pile sections should be checked to verify the structural capacity of the piles. Piles in groups should be spaced at least 3 pile diameters on centers. If the piles are so spaced, no reduction in the axial capacities need be considered due to group action.

ACIP piles are considered to be specialized foundation system and are typically designed and installed by specialty contractors under a design-build contract. The axial capacities provided herein are to assist you in obtaining a preliminary cost for the ACIP piles. The axial and lateral capacities of the piles should be evaluated by the contractor.

Settlement

We estimate the settlement of the proposed office building and parking structure supported on ACIP concrete piles in the manner recommended, to be less than ½ inch. The differential settlement between adjacent columns is estimated to be less than ¼ inch.

Lateral Loads

Lateral loads recommended in the Section 6.2.2 are also applicable for ACIP concrete piles.

Pile Installation

Adjacent piles with a spacing of less than five diameters on center should be drilled and filled alternately, with the concrete permitted to set at least 24 hours, before drilling an adjacent hole.

The grout/concrete should be pumped under pressure as the auger is withdrawn at a slow and uniform rate. The volume of grout/concrete pumped should be measured and compared to the design volume for each pile. Reinforcement should be installed as soon after the auger has been withdrawn as possible. Based on our experience, some difficulty may be encountered while placing the reinforcing steel for longer piles, particularly due to the relatively dry sandy nature of some of the soil deposits beneath the site, which may absorb water from the grout/concrete causing a faster set, unless special considerations are made in the grout/concrete mix design.

Only competent drilling contractors with experience in the installation of ACIP piles in similar soil and groundwater conditions should be considered for the pile construction. We suggest requesting the piling contractor to submit a list of similar projects along with references for each project.

The installation and testing of the ACIP piles should be observed by our personnel to verify that the desired diameter, depth, and capacity of the piles are achieved.

Pile Testing

The design capacity of the ACIP piles should be verified by performing conventional static load tests or high strain dynamic load test in accordance with applicable ASTM guidelines. At least two pre-production piles at the 5-story building and two pre-production piles at the parking structure should be load tested to verify design capacities and installation procedures. Some form of integrity testing, such as sonic echo testing, nuclear logging (gamma-gamma logging), crosshole sonic logging, or thermal integrity profiling should be performed on the pre-production ACIP piles to identify any anomalies within the piles (inclusion of soil or voids).

6.3 Site-Specific Ground Motion Hazard Analysis

6.3.1 Mapped Seismic Design Parameters

We have determined the seismic parameters in accordance with the Section 1613 of the 2019 edition of the CBC and Section 11.4 of ASCE 7-16 Standard using the Office of Statewide Health Planning and Development (OSHPD), Seismic Design Maps Web Application. The shear wave velocities of the materials beneath the site were measured using multichannel analysis of surface waves (MASW) and passive array techniques as described in Appendix B (GEOVision, 2020). The time-averaged shear wave velocity in the 30 meters (V_{S30}) beneath the ground surface at the site is 333 meters per second. The California Building Code (CBC) Site Class was determined to be site class "D" based on the computed V_{S30}. The mapped seismic parameters may be taken as presented in Table 1.

6.3.2 Site-Specific Ground Motion Hazard Analysis

In addition to the Code Spectra parameters presented in Table 1, we have performed a site-specific ground motion hazard analysis in accordance with Chapter 21 of ASCE 7-16 to obtain site-specific seismic design acceleration parameters, the risk-targeted maximum considered earthquake response spectrum, and the design earthquake response spectrum.

Site Conditions

In addition to V_{S30}, site information necessary for the analysis includes the depth to shear wave velocities of 1,000 meters per second ($Z_{1.0}$) and 2,500 meters per second ($Z_{2.5}$), which were computed as 750 meters and 3.75 kilometers, respectively, based on the Southern California Earthquake Center's Community Shear Wave Velocity Model, Version 4.26 (SCEC-CVM-S4.26) (Graves and Pitarka, 2014).

Ground Motion Models

The ergodic ground motion models (GMMs) selected for use in this analysis were those developed for the Pacific Earthquake Engineering Research Center (PEER) Next Generation Attenuation (NGA) West 2 project. Four of the five GMMs - Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), and Chiou and Youngs (2014) were used; an equal weighting of 0.25 was used for each of these GMMs. The fifth NGA West 2 GMM (Idriss, 2014) was not used because the model is only based on data from "quasi-linear sites" where V_{S30} is greater than 450 meters per second and, therefore, is not applicable at this site. The GMMs provide ergodic median component ground motion (RotD50) estimates as a function of the V_{S30}, $Z_{1.0}$ and $Z_{2.5}$.

Ground Motion Hazard Analysis

We performed a Probabilistic Seismic Hazard Analysis (PSHA) and a Deterministic Seismic Hazard Analysis (DSHA) using the computer programs OpenSHA (Field et al., 2003) and EZ-Frisk (Risk Engineering, 2015), respectively, to develop the site-specific response spectra in accordance with ASCE 7-16 for the site.

The site-specific probabilistic response spectra were developed using the OpenSHA program. An average of Fault Models 3.1 and 3.2 from the Third Uniform California Earthquake Rupture Forecast (UCERF3) was used as the earthquake rupture forecast model for the PSHA (Field et al., 2013). In addition to known fault sources, background seismicity was also included in the PSHA. The site-specific deterministic response spectrum was computed as the maximum of the 84th percentile at each spectral ordinate computed using the USGS 2008 California fault model. The deterministic spectrum is controlled by the Newport-Inglewood fault for spectral periods less than 2 seconds and by the Palos Verdes fault for spectral periods 2 seconds and greater.

The computed 5%-damped probabilistic and deterministic median ground motions were converted from RotD50 to maximum component response direction ground motions (RotD100) using the scaling factors recommended in Shahi-Baker (Shahi and Baker, 2014), as presented in Table 2 and on Figure C-1. In accordance with Section 21.2.1 of ASCE 7-16, the probabilistic risk-targeted response spectrum (MCE_R) was taken as the maximum direction response spectrum with a 2% probability of being exceeded in 50 years multiplied by the risk coefficients C_{RS} and C_{R1} to achieve a 1% probability of collapse within a 50-year period. In accordance with Section 21.2.2 of Chapter 21 of ASCE 7-16, the deterministic MCE response spectrum was taken as the largest of the maximum direction response spectrum of the compiled 84th percentile deterministic events and the deterministic lower limit at each spectral period as shown in Table 3 and on Figure C-2. The risk-targeted probabilistic response spectrum is also presented in Table 2 and on Figure C-2. The risk-targeted coefficients, C_{RS} and C_{R1}, were taken from Figures 22-18 and 22-19 in ASCE 7-16. The C_{RS} and C_{R1} values were computed as 0.905 and 0.9, respectively, for the site. The risk-targeted coefficients were applied to spectral periods as C_{RS} for periods less than or equal to 0.2 second, linear interpolation was used between C_{RS} and C_{R1} between 0.2 and 1 second and taken as C_{R1} for periods greater than 1 second.

In accordance with Section 21.2.3 of Chapter 21 of ASCE 7-16, the site-specific MCE_R response spectrum was taken as the minimum of the deterministic MCE_R and probabilistic MCE_R response spectra and as never less than 80% of the code-based MCE_R, computed per Section 11.4.7 of ASCE 7-16, at each spectral period, as shown in Table 4 and on Figure C-3.

In accordance with Chapter 21.3 of ASCE 7-16, the site-specific design earthquake response spectrum was taken as the lesser of two-thirds of the site-specific MCE_R and 80% of the design response spectrum computed per Section 11.4.6 of ASCE 7-16 as presented in Table 5 and on Figure C-4. The final site-specific MCE_R and design earthquake response spectra are presented in Figure 6.

The site-specific design acceleration parameters were determined in accordance with Chapter 21.4 of ASCE 7-16. The parameter S_{DS} is taken as 90% of the maximum spectral acceleration obtained from the site-specific spectrum within the oscillator period range 0.2 to 5 seconds. S_{D1} is taken as the maximum value of the product of the oscillator period and the spectra acceleration for oscillator periods from 1 to 5 seconds. S_{MS} and S_{M1} are taken as 1.5 times S_{DS} and S_{D1}, respectively. The site-specific values are presented in Table 1.

6.4 Floor Slab Support

The subgrade for floor slabs supported on grade should be prepared as recommended in the Grading section of this report.

Construction activities and exposure to the environment can cause deterioration of the prepared subgrade. Therefore, we recommend that our field representative observe the condition of the final subgrade soils

immediately prior to slab-on-grade construction, and, if necessary, perform further density and moisture content tests to determine the suitability of the final prepared subgrade.

Where vinyl or other moisture-sensitive floor covering is planned (for both slabs on grade and structurally supported ground floor slabs), we recommend that the floor slabs in those areas be underlain by a capillary break consisting of a vapor-retarding membrane over a 4-inch-thick layer of gravel. A 2-inch-thick layer of sand should be placed between the gravel and the membrane to decrease the possibility of damage to the membrane. We suggest the following gradation for the gravel:

Sieve Size	Percent Passing
¾″	90–100
No. 4	0–10
No. 100	0–3

A low-slump concrete should be used to minimize possible curling of the slabs. A 2-inch-thick layer of coarse sand should be placed over the vapor retarding membrane to reduce slab curling. If this sand bedding is used, care should be taken during the placement of the concrete to prevent displacement of the sand. Concrete slabs should be allowed to cure properly before placing vinyl or other moisture-sensitive floor covering.

6.5 Minor Retaining Walls

6.5.1 Lateral Pressures

For design of minor cantilevered retaining walls, where the surface of the backfill is level, it may be assumed that drained soils will exert a lateral pressure equal to that developed by a fluid with a density of 30 pounds per cubic foot.

For the design of minor braced walls below grade, such as elevator pit walls, where the surface of the backfill is level, it may be assumed that drained soils will exert a lateral pressure equal to that developed by a fluid with a density of 60 pounds per cubic foot.

In addition to the recommended earth pressures, walls adjacent to areas subject to vehicular traffic should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pounds per square foot surcharge behind the walls due to normal vehicular traffic. If the traffic is kept back at least 10 feet from the walls, the traffic surcharge may be neglected.

For minor retaining walls, which are anticipated to be less than 6 feet in height, the seismic lateral earth pressure will be negligible.

6.5.3 Drainage

Minor retaining walls and other minor walls, such as elevator pit walls, should be designed to resist hydrostatic pressures or be provided with drainage or weepholes. In either case, the retaining walls should be waterproofed.

For minor retaining walls, the drainage could consist of a 4-inch-diameter perforated pipe placed with the perforations down at the base of the wall. The pipe should be sloped at least 2 inches in 100 feet and surrounded by at least 4 inches of ¾-inch crushed rock or gravel separated from the adjacent soils by an appropriate filter fabric. The crushed rock or gravel should have less than 5% passing a No. 200 sieve.

6.6 Paving

To provide support for paving, the subgrade soils should be prepared as recommended in the following section on grading. Compaction of the subgrade, including trench backfills, to at least 90%, and achieving a firm, hard, and unyielding surface will be important for paving support. The preparation of the paving area subgrade should be performed immediately prior to placement of the base course. Proper drainage of the paved areas should be provided since this will reduce moisture infiltration into the subgrade and increase the life of the paving.

The paving thicknesses are based on the results of our previous California Bearing Ratio (CBR) tests, which indicated values of 8 and 17 at 90% compaction.

6.6.1 Asphalt Concrete Paving

The required paving and base thicknesses will depend on the expected wheel loads and volume of traffic (Traffic Index or TI). Assuming that the paving subgrade is prepared as recommended in the following section on grading, the minimum recommended paving thicknesses are presented in the following table.

Assumed Traffic Index	Asphalt Concrete (Inches)	Base Course (Inches)
4 (Automobile Parking)	3	4
5 (Driveways with Light Truck Traffic)	3	4
6 (Driveways with Heavy Truck Traffic)	4	4

The asphalt paving sections were determined using the Caltrans design method. We can determine the recommended paving and base course thicknesses for other Traffic Indices if required. Careful inspection is recommended to verify that the recommended thicknesses or greater are achieved, and that proper construction procedures are followed.

6.6.2 Portland Cement Concrete Paving

Portland cement concrete paving sections were determined in accordance with procedures developed by the Portland Cement Association. Concrete paving sections for a range of Traffic Indices are presented in the following table. We have assumed that the portland cement concrete will have a compressive strength of at least 3,000 pounds per square inch.

Assumed Traffic Index	Concrete Paving (Inches)	Base Course (Inches)
4 (Automobile Parking)	6½	4
5 (Driveways with Light Truck Traffic)	7	4
6 (Driveways with Heavy Truck Traffic)	7½	4

The paving should be provided with joints at regular intervals no more than 15 feet in each direction. Load transfer devices, such as dowels or keys, are recommended at joints in the paving to reduce possible offsets. The paving sections in the above table have been developed based on the strength of unreinforced concrete. Steel reinforcing may be added to the paving to reduce cracking and to prolong the life of the paving.

6.6.3 Base Course

The base course for both asphaltic and concrete paving should meet the specifications for Class 2 Aggregate Base as defined in Section 26 of the latest edition of the State of California, Department of Transportation, Standard Specifications. Alternatively, the base course could meet the specifications for untreated base as defined in Section 200-2 of the latest edition of the Standard Specifications for Public Works Construction. The base course should be compacted to at least 95%.

6.7 Grading

The existing fill soils are not considered suitable for support of the proposed buildings or floor slabs on grade. For structures supported on deep foundations, the existing fill soils may be left in-place. For structures supported on conventional spread/continuous footings with slabs supported on grade, all existing fill should be excavated and replaced as properly compacted fill.

Ideally, all existing fill should excavated and replaced as properly compacted fill for support of pavement and other exterior concrete walks and slabs on grade. However, if the risk of settlement and greater than normal maintenance is considered acceptable, the grading in these areas could be limited to scarification and compaction of the upper 6 inches of the subgrade. Where all existing fill is not excavated and replaced as properly compacted fill, the exposed subgrade should be carefully observed to identify any soft/loose areas that would require additional excavation and/or compaction.

The excavation of existing fill and the replacement as properly compacted fill should extend laterally beyond foundation a distance equal to the depth of removal beneath the foundations. The excavation need not extend laterally beyond floor slabs, pavement, or other exterior concrete walks and slabs on grade.

The on-site soils are considered suitable for use as compacted fill after removal of deleterious materials, such as debris or organic matter. All required fill should be uniformly well compacted and observed and tested during placement.

6.7.1 Site Preparation

After the site is cleared and existing fill soils are excavated from the building area where recommended, the exposed soils should be carefully observed for the removal of all unsuitable deposits. Next, the exposed soils should be scarified to a depth of 6 inches, brought to near-optimum moisture content, and rolled with heavy compaction equipment. The upper 6 inches of the exposed soils should be compacted to at least 90% of the maximum dry density obtainable by the ASTM Designation D1557 method of compaction (95% within building areas).

6.7.2 Excavation and Temporary Slopes

Where excavations are deeper than about 4 feet, the sides of the excavations should be sloped back at 1:1 (horizontal to vertical) or shored for safety. Unshored excavations should not extend below a plane drawn at 1½ :1 (horizontal to vertical) extending downward from adjacent existing footings. Alternatively, vertical excavation may be supported by properly designed shoring. We would be pleased to present data for design of shoring if required.

Excavations should be observed by personnel of our firm so that any necessary modifications based on variations in the soil conditions can be made. All applicable safety requirements and regulations, including OSHA regulations, should be met.

6.7.3 Compaction

Any required fill soils should be placed in loose lifts not more than 8 inches thick and compacted. The fill should be compacted to at least 90% of the maximum density obtainable by the ASTM Designation D1557 test method (95% within building areas). The moisture content of the on-site soils at the time of compaction should vary no more than 2% below or above optimum moisture content.

6.7.4 Backfill

All required backfill should be mechanically compacted in layers; flooding should not be permitted. Proper compaction of backfill will be necessary to reduce settlement of the backfill and to reduce settlement of overlying slabs and paving. Backfill should be compacted to at least 90% of the maximum dry density obtainable by the ASTM Designation D1557 method of compaction (95% within building areas). The on-site soils may be used in the compacted backfill. The exterior grades should be sloped to drain away from the foundations to prevent ponding of water.

Some settlement of the backfill should be expected, and any utilities supported therein should be designed to accept differential settlement, particularly at the points of entry to the building. Also, provisions should be made for some settlement of concrete walks supported on backfill.

6.7.5 Material for Fill

The on-site materials, less any debris or organic matter, may be used in required fills. Cobbles larger than 4 inches in diameter should not be used in the fill. Any required import material should consist of relatively non-expansive soils with and Expansion Index of less than 35. The imported materials should contain sufficient fines (at least 15% passing the No. 200 sieve) so as to be relatively impermeable and result in a stable subgrade when compacted. All proposed import materials should be approved by our personnel prior to being placed at the site.

6.8 Feasibility of Infiltration

Based on the soil types encountered during our prior investigations at the site, infiltration is anticipated to be a feasible means of disposal of on-site stormwater runoff. In fact, the property immediately adjacent to the west of the project site was formerly occupied by a stormwater percolation/detention basin with the bottom established at approximately Elevation 92 and side slopes with inclinations ranging between 7:1 (horizontal:vertical) to 10:1; a 12-foot wide gravel drain, with a bottom elevation of 78.5 was also installed within the basin.

The infiltration system should be designed by the project civil engineer depending on the volume of water expected to be discharged into the infiltration system; the civil engineer will likely require site-specific testing to evaluate the infiltration rate to be used in the design. Recommendations provided by the governing regulatory agency, including the guidelines provided in the County of Los Angeles Department of Public Works, "Low Impact Development Standards Manual," should be followed in selecting locations, designing, installing, and maintaining the infiltration system. All stormwater infiltration facilities should be set back at least 20 feet (vertically or horizontally) from existing structures and other settlement-sensitive features.

6.9 Geotechnical Observation

The reworking of the upper soils and the compaction of all required fill should be observed and tested during placement by a representative of our firm. This representative should perform at least the following duties:

- Observe the clearing operations for proper removal of all unsuitable materials.
- Perform field percolation testing to provide design parameters for design of stormwater infiltration facility.
- Observe the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished subgrade. The representative should also observe proofrolling and delineation of areas requiring overexcavation.
- Evaluate the suitability of on-site and import soils for fill placement; collect and submit soil samples for required or recommended laboratory testing where necessary.
- Observe the fill and backfill for uniformity during placement.
- Test backfill for field density and compaction to determine the percentage of compaction achieved during backfill placement.
- Observe and probe foundation materials to confirm that suitable bearing materials are present at the design foundation depths.
- Observe the installation of drilled cast-in-place concrete or ACIP pile foundation for achievement of proper depth and diameter, if used.

The governmental agencies having jurisdiction over the project should be notified prior to commencement of grading so that the necessary grading permits can be obtained and arrangements can be made for required inspection(s). The contractor should be familiar with the inspection requirements of the reviewing agencies.

7.0 Basis for Recommendations

The recommendations provided in this report are based upon our understanding of the described project information and on our interpretation of the data collected during our subsurface explorations. We have made our recommendations based upon experience with similar subsurface conditions under similar loading conditions. The recommendations apply to the specific project discussed in this report; therefore, any change in the structure configuration, loads, location, or the site grades should be provided to us so that we can review our conclusions and recommendations and make any necessary modifications.

The recommendations provided in this report are also based upon the assumption that the necessary geotechnical observations and testing during construction will be performed by representatives of our firm. The field observation services are considered a continuation of the geotechnical investigation and essential to verify that the actual soil conditions are as expected. This also provides for the procedure whereby the client can be advised of unexpected or changed conditions that would require modifications of our original recommendations. In addition, the presence of our representative at the site provides the client with an independent professional opinion regarding the geotechnically-related construction procedures. If another firm is retained for the geotechnical observation services, our professional responsibility and liability would be limited to the extent that we would not be the geotechnical engineer of record.

Project labor agreements are often written in such a manner to preclude non-union firms from providing inspection and testing services during construction. If your project is considering being signatory to a project labor agreement or other union labor agreement, it would be beneficial for the labor agreement to include language that specifically excludes construction soils and materials inspection. Failure to exclude construction inspection from the project labor agreement would likely preclude the geotechnical engineer of record from continuing services during construction and limit construction inspection and testing to union firms. We would be pleased to meet with you to discuss the implications associated with project labor agreements.

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Tables

Table 1. Mapped and Site-Specific Seismic Design Acceleration Parameters

Parameter	Mapped Value	Site-Specific Value
S_s	1.852g*	-
S_1	0.652g*	-
Project Site Class	D	-
F_a	1.0*	-
F_v	1.7*	-
$S_{MS} = F_aS_S$ (0.2 second period)	1.852g*	2.040g
$S_{M1} = F_vS_1$ (1.0 second period)	1.108g*	1.429g
$S_{DS} = 2/3 \times S_{MS}$ (0.2 second period)	1.235g*	1.360g
$S_{D1} = 2/3 \times S_{M1}$ (1.0 second period)	0.739g*	0.953g
C_{RS}	0.905	-
C_{R1}	0.900	-

By: KSH 9/11/2020
Checked: EJJ 9/11/2020

According to Section 11.4.8 in ASCE 7-16, "a ground motion hazard analysis shall be performed in accordance with Section 21.2 for the following structures on Site Class D and E sites with S_1 greater than or equal to 0.2." However, "A ground motion hazard analysis is not required for structures where: Structures on Site Class D sites with S_1 greater than or equal to 0.2, provided the value of the seismic response coefficient C_s is determined by Eq. (12.8-2) for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either Eq. (12.8-3) for $T_L \geq T > 1.5T_s$ or Eq. (12.8-4) for $T > T_L$." The F_v value of 1.7 above from Table 11.4-2 assumes that this exception is met and that a ground motion hazard analysis is not required. Should this exception not be met, a ground motion hazard analysis will be required to determine the Design response spectra for the proposed structures at this site.

Table 2: Development of Probabilistic and Deterministic Max Component Spectra

Period	84th Percentile Deterministic Event Geometric Mean	Probabilistic 2% in 50 year Geometric Mean	Max Component Factor (Shahi-Baker, 2014)	Deterministic Event Max Component (Shahi-Baker)	Probabilistic 2% in 50 year Max Component (Shahi-Baker)
T (sec)	SA (g)	SA (g)	-	SA (g)	SA (g)
0.01	0.7497	0.8958	1.19	0.8921	1.0660
0.02	0.7573	0.9001	1.19	0.9012	1.0712
0.03	0.7827	0.9396	1.19	0.9314	1.1182
0.05	0.8860	1.1025	1.19	1.0543	1.3120
0.075	1.0670	1.3912	1.19	1.2697	1.6556
0.1	1.2290	1.6306	1.19	1.4625	1.9404
0.15	1.4870	1.8958	1.20	1.7844	2.2749
0.2	1.6460	2.0484	1.21	1.9917	2.4785
0.25	1.7470	2.1294	1.22	2.1313	2.5979
0.3	1.8140	2.1717	1.22	2.2131	2.6495
0.4	1.8430	2.0839	1.23	2.2669	2.5632
0.5	1.7900	1.9537	1.23	2.2017	2.4031
0.75	1.4850	1.5476	1.24	1.8414	1.9190
1	1.2610	1.2597	1.24	1.5636	1.5620
1.5	0.9144	0.8536	1.24	1.1339	1.0585
2	0.7182	0.6355	1.24	0.8906	0.7880
3	0.5116	0.4076	1.25	0.6395	0.5095
4	0.3854	0.2859	1.26	0.4856	0.3602
5	0.2971	0.2152	1.26	0.3743	0.2712
7.5	0.1579	0.1223	1.28	0.2021	0.1566
10	0.0908	0.0746	1.29	0.1171	0.0962

Table 3: Development of Probabilistic and Deterministic Risk-Targeted Maximum Considered Earthquake Spectra

Period	Deterministic Event Max Component	Deterministic Lower Limit	Deterministic with lower limit considered	Probabilistic 2% in 50 year Max Component	Risk Coefficient	Probabilistic MCE_R
T (sec)	SA (g)	SA (g)	SA (g)	SA (g)	-	SA (g)
0.01	0.8921	0.6000	0.8921	1.0660	0.9050	0.9647
0.02	0.9012	0.6900	0.9012	1.0712	0.9050	0.9694
0.03	0.9314	0.7350	0.9314	1.1182	0.9050	1.0119
0.05	1.0543	0.8250	1.0543	1.3120	0.9050	1.1873
0.075	1.2697	0.9375	1.2697	1.6556	0.9050	1.4983
0.1	1.4625	1.0500	1.4625	1.9404	0.9050	1.7561
0.15	1.7844	1.2750	1.7844	2.2749	0.9050	2.0588
0.2	1.9917	1.5000	1.9917	2.4785	0.9050	2.2430
0.25	2.1313	1.5000	2.1313	2.5979	0.9047	2.3503
0.3	2.2131	1.5000	2.2131	2.6495	0.9044	2.3961
0.4	2.2669	1.5000	2.2669	2.5632	0.9038	2.3165
0.5	2.2017	1.5000	2.2017	2.4031	0.9031	2.1703
0.75	1.8414	1.5000	1.8414	1.9190	0.9016	1.7301
1	1.5636	1.5000	1.5636	1.5620	0.9000	1.4058
1.5	1.1339	1.0000	1.1339	1.0585	0.9000	0.9526
2	0.8906	0.7500	0.8906	0.7880	0.9000	0.7092
3	0.6395	0.5000	0.6395	0.5095	0.9000	0.4585
4	0.4856	0.3750	0.4856	0.3602	0.9000	0.3242
5	0.3743	0.3000	0.3743	0.2712	0.9000	0.2441
7.5	0.2021	0.2000	0.2021	0.1566	0.9000	0.1409
10	0.1171	0.1200	0.1200	0.0962	0.9000	0.0866

Table 4: Development of Site-Specific Risk-Targeted Maximum Considered Earthquake Spectra

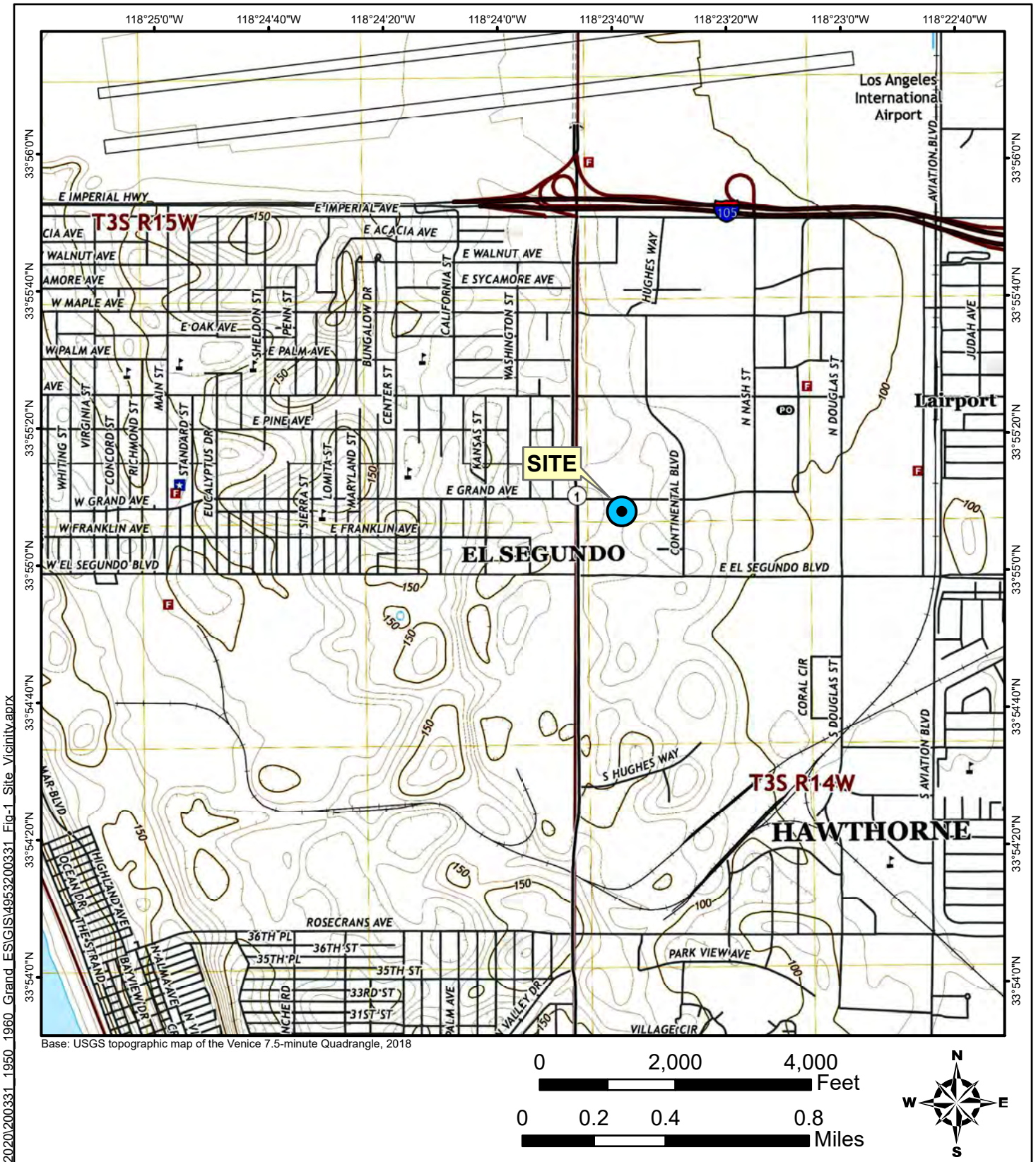
Period	Deterministic with lower limit considered	Probabilistic MCE_R	Site-Specific MCE_R	Site-Specific MCE_R
T (sec)	SA (g)	SA (g)	SA (g)	SA (g)
0.01	0.8921	0.9647	0.8921	0.8921
0.02	0.9012	0.9694	0.9012	0.9012
0.03	0.9314	1.0119	0.9314	0.9314
0.05	1.0543	1.1873	1.0543	1.0543
0.075	1.2697	1.4983	1.2697	1.2697
0.1	1.4625	1.7561	1.4625	1.4625
0.15	1.7844	2.0588	1.7844	1.7844
0.2	1.9917	2.2430	1.9917	1.9917
0.25	2.1313	2.3503	2.1313	2.1313
0.3	2.2131	2.3961	2.2131	2.2131
0.4	2.2669	2.3165	2.2669	2.2669
0.5	2.2017	2.1703	2.1703	2.1703
0.75	1.8414	1.7301	1.7301	1.7301
1	1.5636	1.4058	1.4058	1.4058
1.5	1.1339	0.9526	0.9526	0.9526
2	0.8906	0.7092	0.7092	0.7092
3	0.6395	0.4585	0.4585	0.4585
4	0.4856	0.3242	0.3242	0.3260
5	0.3743	0.2441	0.2441	0.2608
7.5	0.2021	0.1409	0.1409	0.1739
10	0.1200	0.0866	0.0866	0.1043

Table 5: Site-Specific Design Earthquake

Period	2/3 of Site-Specific Fault Normal MCE_R	80% Code-Based Design Response Spectrum	Design Earthquake
T (sec)	SA (g)	SA (g)	SA (g)
0.01	0.5948	0.3951	0.5948
0.02	0.6008	0.4624	0.6008
0.03	0.6209	0.4961	0.6209
0.05	0.7029	0.5634	0.7029
0.075	0.8465	0.6476	0.8465
0.1	0.9750	0.7318	0.9750
0.15	1.1896	0.9001	1.1896
0.2	1.3278	0.9877	1.3278
0.25	1.4209	0.9877	1.4209
0.3	1.4754	0.9877	1.4754
0.4	1.5113	0.9877	1.5113
0.5	1.4469	0.9877	1.4469
0.75	1.1534	0.9877	1.1534
1	0.9372	0.8693	0.9372
1.5	0.6351	0.5796	0.6351
2	0.4728	0.4347	0.4728
3	0.3057	0.2898	0.3057
4	0.2173	0.2173	0.2173
5	0.1739	0.1739	0.1739
7.5	0.1159	0.1159	0.1159
10	0.0695	0.0695	0.0695

Figure 1

Site Vicinity Map



Base: USGS topographic map of the Venice 7.5-minute Quadrangle, 2018

0 2,000 4,000 Feet

0 0.2 0.4 0.8 Miles

N W E S

wood.

SITE VICINITY MAP

Wood
Environment & Infrastructure Solutions, Inc.
6001 Rickenbacker Road
Los Angeles, California 90040
T: 323.889.5300
www.woodplc.com

LAT:	33.91867
LON:	-118.39348
SCALE:	1:24,000
DRAWN:	PER
CHECK:	EJJ
DATE:	6/2/2020

Proposed Development
1950 and 1960 Grand Avenue
El Segundo, California

FIGURE: 1

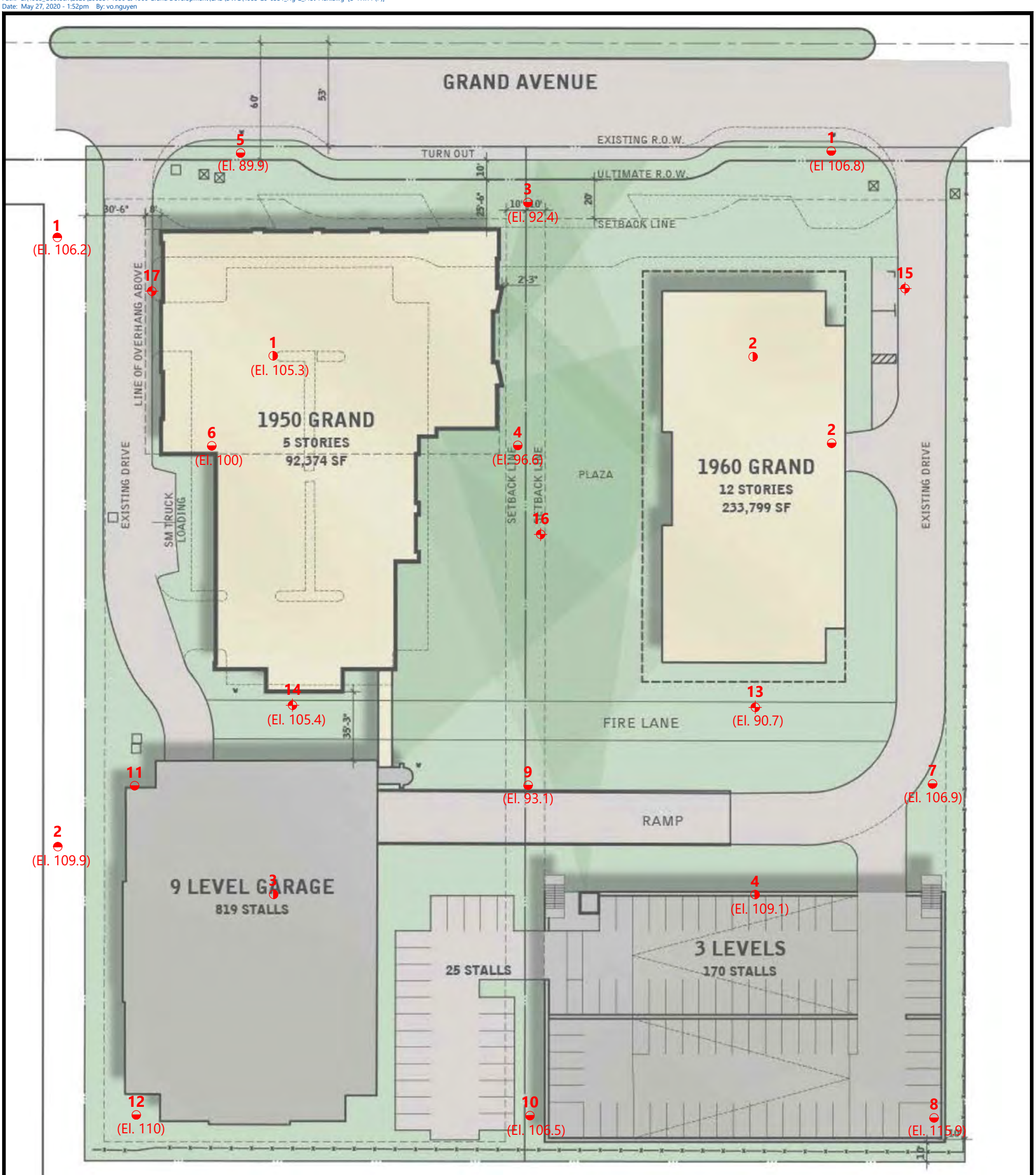
PROJECT: 4953-20-0331

E:\Files\Work\GIS\4953_Geotech\2020\200331_1950_1960_Grand_ES\GIS\4953200331_Fig-1_Site_Vicinity.aprx

Figure 2

Plot Plan

Path: G:\4953_Geotech\2020\200331 1950 & 1960 Grand Development\CAD\DWG\4953-20-0331_Fig-2_Plot-Plan.dwg [B-17x11 (P)]
Date: May 27, 2020 - 1:52pm By: vo.nguyen



LEGEND

- 17 ⊕ Prior Investigation (Job No. A-81408-B)
- 12 ◒ Prior Investigation (Job No. ADE-81408)
- 4 ◑ Prior Investigation (Job No. A-81141)
- ◓ Prior Investigation (Job No. ADE-79337)
- Boring Number
- (El. 92.1) Elevation of Natural Soil in NAVD 88

Note:
Elevations on the Logs (Appendix A) are based on NGVD 29.
NGVD 29 = NAVD 88 - 2.4 feet

Reference:
1960 Grand Conceptual Design Package
dated April 15, 2020

0 25' 50' 100'
SCALE: 1" = 50'

wood.
Wood
Environment & Infrastructure Solutions, Inc.,
6001 Rickenbacker Rd, Los Angeles, CA 90040
Phone (323) 889-5300 Fax (323) 721-6700

Proposed Development
1950 and 1960 Grand Avenue
El Segundo, California

LT,LNG:	
PREPARED BY:	VMN
SCALE:	1" = 50'
BY:	EJJ
CHKD:	EJJ
DATE:	05/27/2020

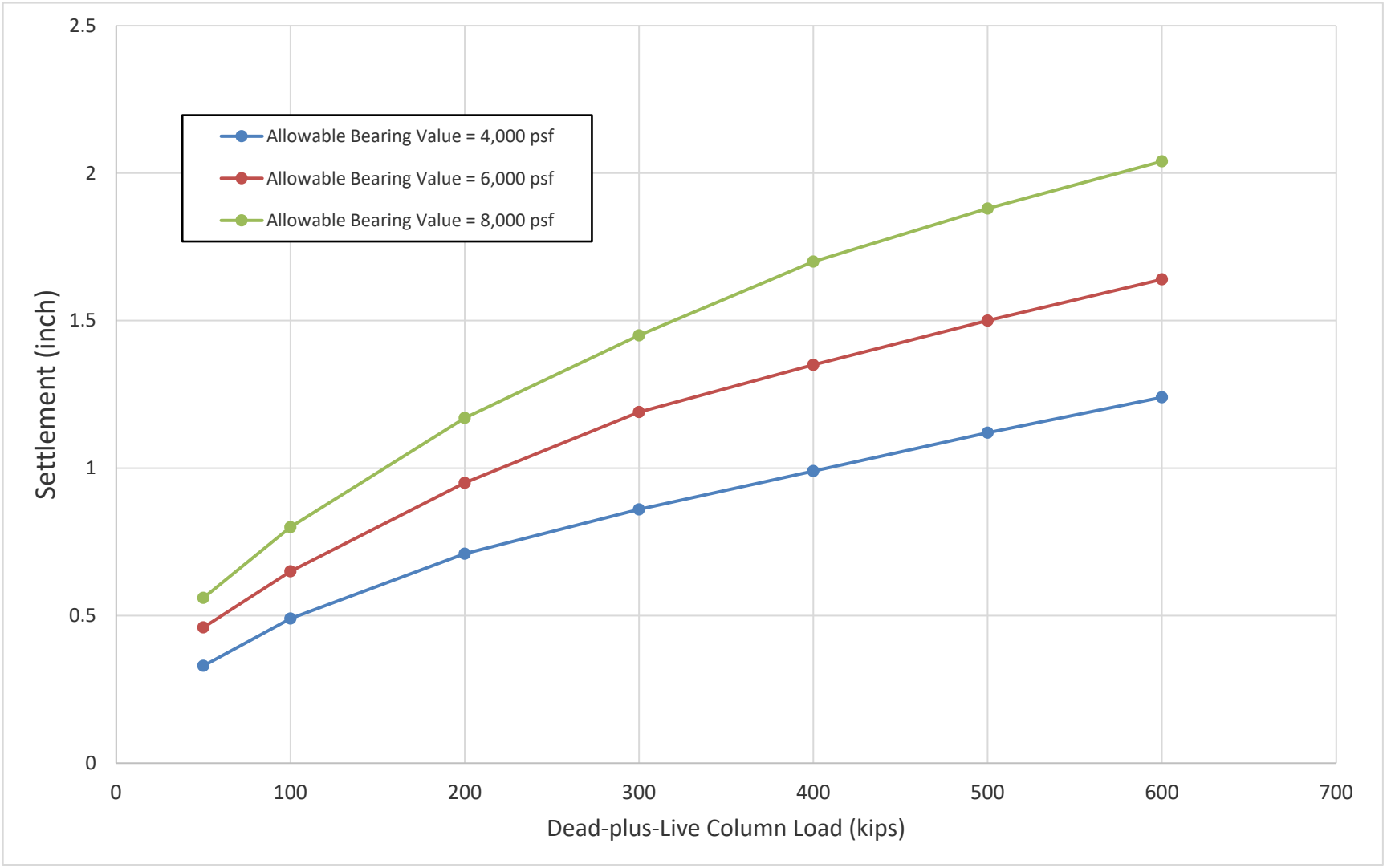
Plot Plan

FIGURE NO. 2

PROJECT NO. 4953-20-0331

Figure 3

Allowable Bearing Values



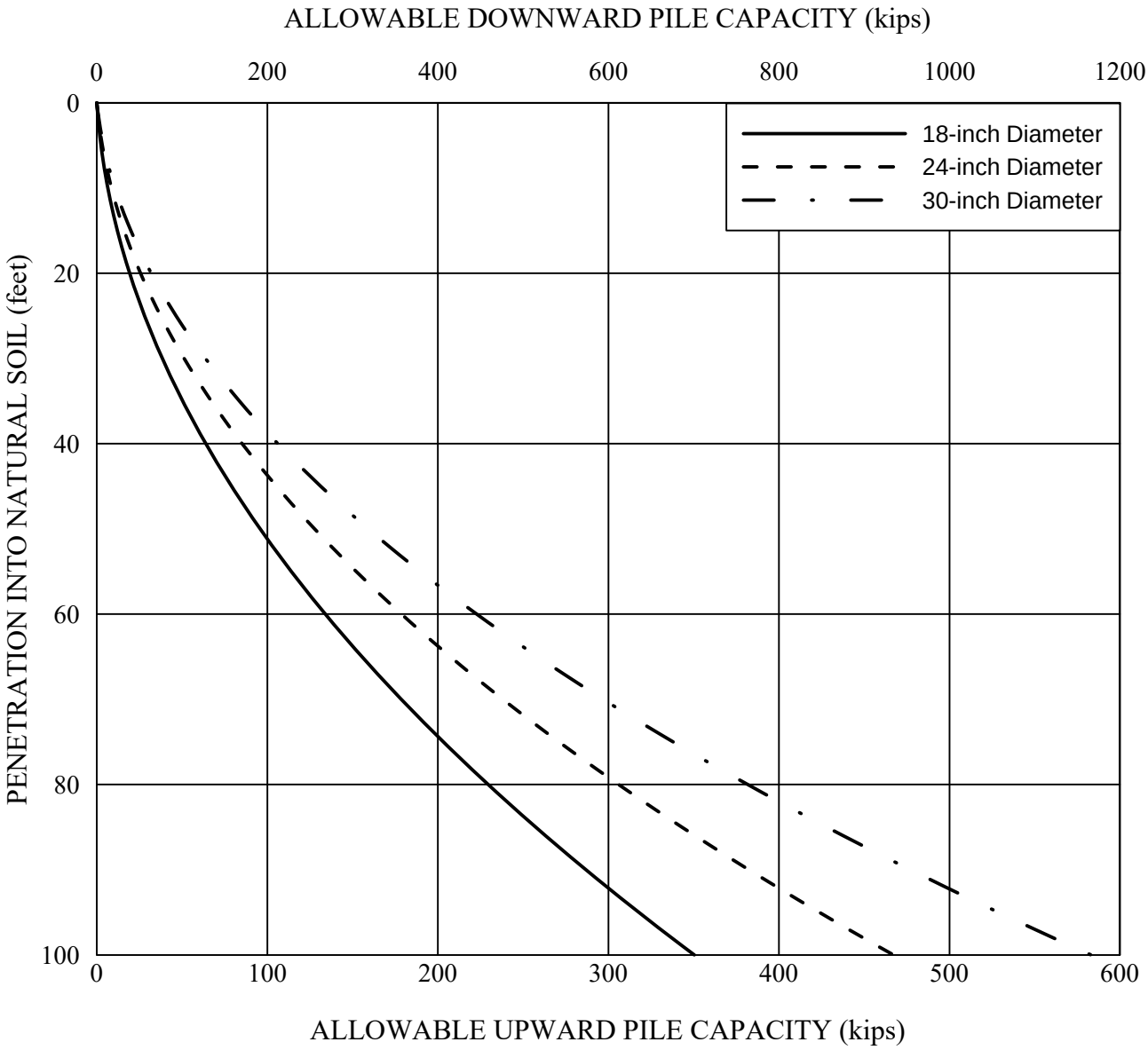
Assume 2 feet embedment

By: EJJ 9/17/2020
Checked: GA 9/17/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California	wood.	Allowable Bearing Values Project No. 4953-20-0331 Figure 3

Figure 4

Drilled Pile Capacities



NOTES:

(1) The indicated values refer to the total of dead plus live loads; a one-third increase may be used when considering wind or seismic loads.

(2) Piles in groups should be spaced a minimum of 3 pile diameters on centers.

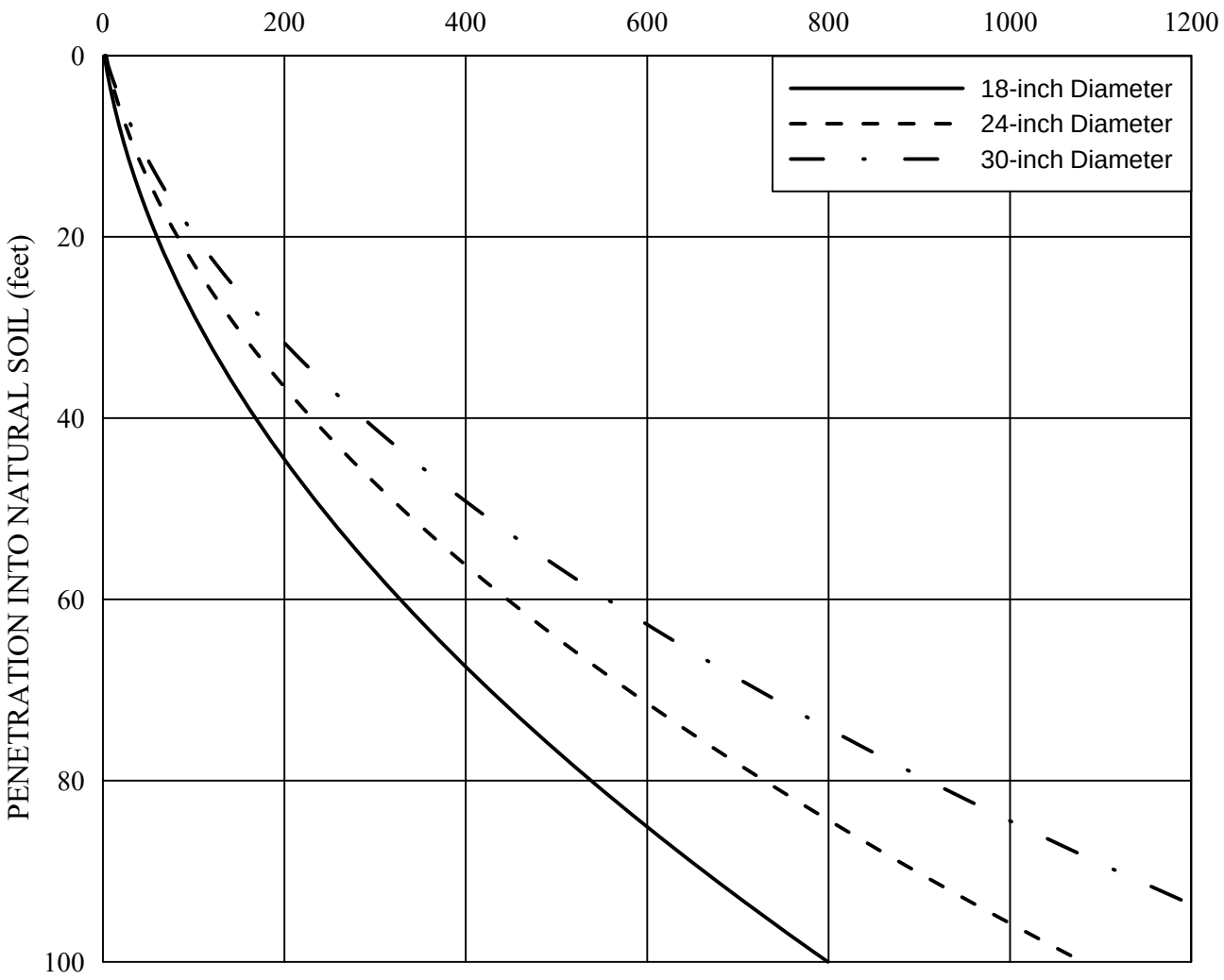
(3) The indicated values are based on the strength of the soils; the actual pile capacities may be limited to lesser values by the strength of the piles.

Prepared/Date: LH 5/28/20
Checked/Date: EJJ 5/29/20

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California	wood.	DRILLED PILE CAPACITIES Project No. 4953-20-0331 Figure 4

Figure 5.1

Downward ACIP Capacities



NOTES: (1) The indicated values refer to the total of dead plus live loads; a one-third increase may be used when considering wind or seismic loads.

(2) Piles in groups should be spaced a minimum of 3 pile diameters on centers.

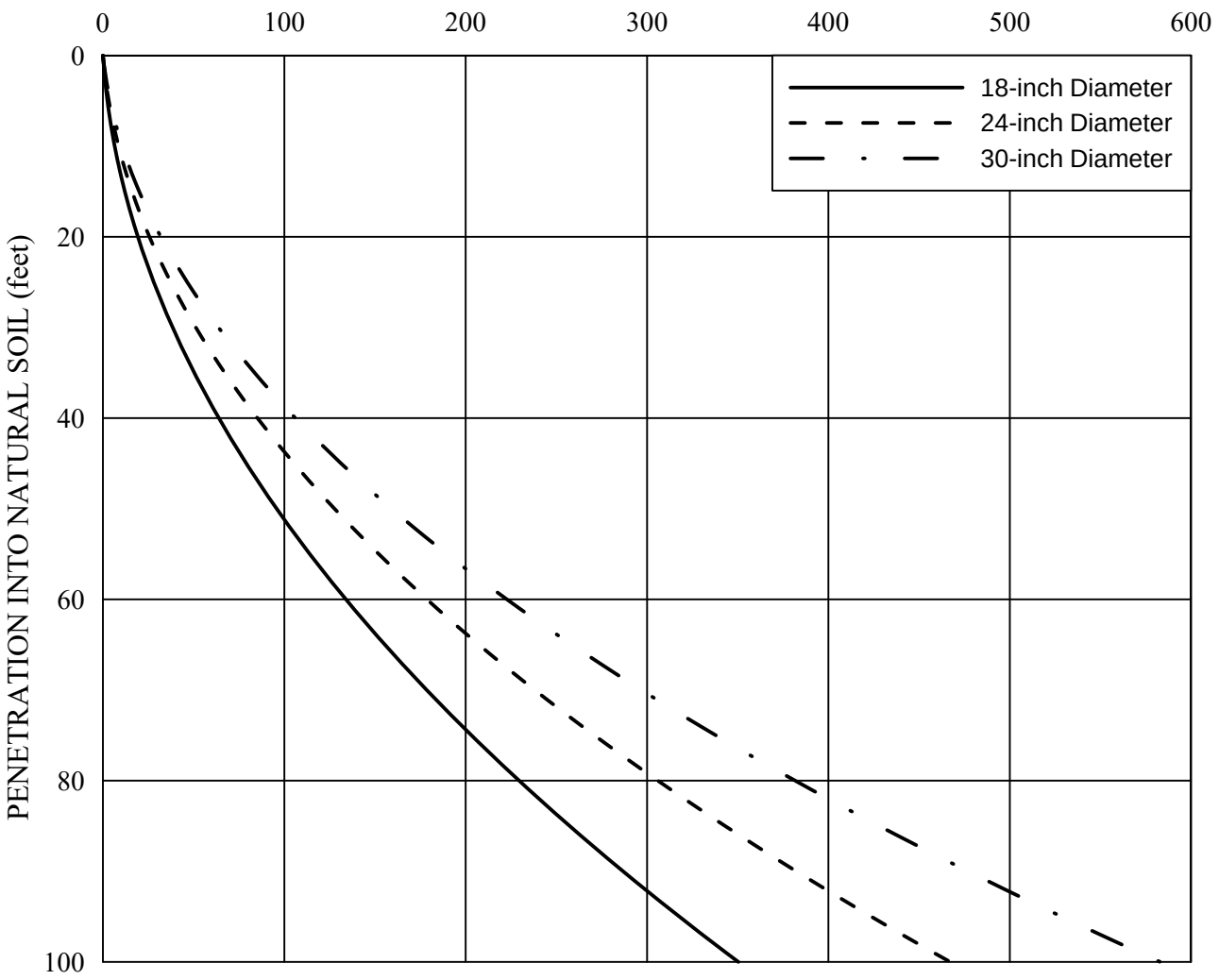
(3) The indicated values are based on the strength of the soils; the actual pile capacities may be limited to lesser values by the strength of the piles.

Prepared/Date: LH 5/28/20
Checked/Date: EJJ 5/29/20

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California	wood.	DOWNWARD ACIP CAPACITIES Project No. 4953-20-0331 Figure 5.1

Figure 5.2

Upward ACIP Capacities



NOTES:

(1) The indicated values refer to the total of dead plus live loads; a one-third increase may be used when considering wind or seismic loads.

(2) Piles in groups should be spaced a minimum of 3 pile diameters on centers.

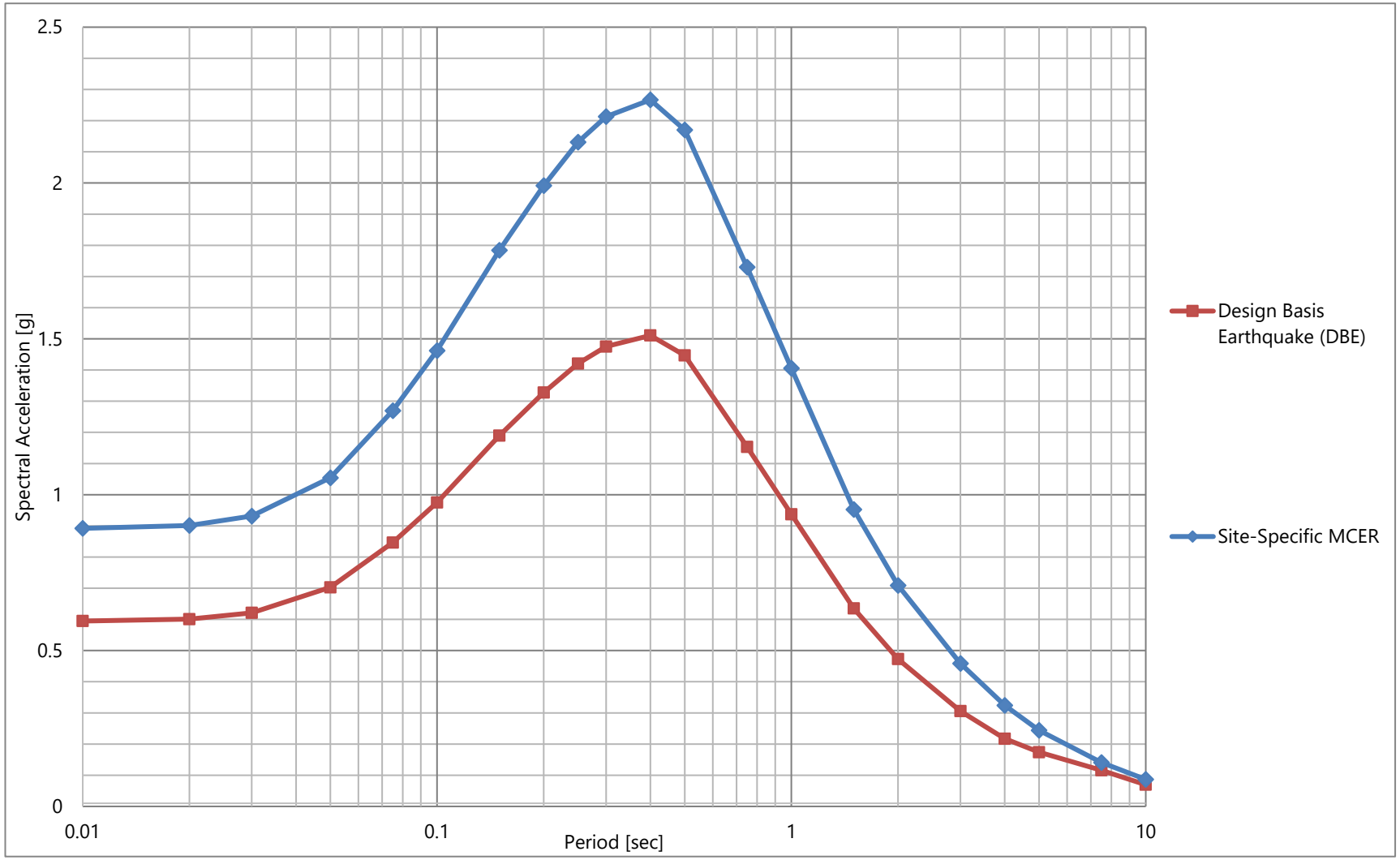
(3) The indicated values are based on the strength of the soils; the actual pile capacities may be limited to lesser values by the strength of the piles.

Prepared/Date: LH 5/28/20
Checked/Date: EJJ 5/29/20

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California	wood.	UPWARD ACIP CAPACITIES Project No. 4953-20-0331 Figure 5.2

Figure 6

Site-Specific MCE_R and Design Earthquake Response Spectra



All spectra 5% of Critical Structural Damping

By: KSH 9/17/2020
Checked: EJJ 9/17/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California Project No. 4953-20-0331	wood.	Site-Specific MCE_R and Design Earthquake Response Spectra Figure 6

C:\Users\eungjin.jeon\Documents\!Projects\200331\ASCE 7-16 Risk Targeted MCE_fv
9/17/2020 12:03 PM

Appendix A

PRIOR FIELD EXPLORATIONS AND LABORATORY TEST RESULTS BY WOOD PREDECESSOR COMPANY LEROY CRANDALL AND ASSOCIATES

Appendix A
Prior Field Explorations and Laboratory Test Results by Wood Predecessor Company LeRoy Crandall and Associates

Our predecessor firm of LeRoy Crandall and Associates previously performed subsurface exploration and laboratory testing at the site. Boring logs are presented in Figures A-1.1 through A-1.21. The following laboratory test results are presented:

- Moisture and density: presented on the boring logs in Figures A-1 through A-21.
- Direct shear: presented in Figures A-3.1 and A-3.2.
- Consolidation: presented in Figures A-4.1 through A-4.3.
- Compaction and CBR presented in Figures A-5.1 and A-5.2

ADE-81408

BORING 1

DATE DRILLED: December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 108.2*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		7.2	113	19		SM	FILL - SILTY SAND - fine, streaks of Sand and Clayey Sand, mottled brown and yellowish-brown
			3.1	106	10		SP	SAND - fine, yellowish-brown
100	5		2.8	101	11			
	10		6.1	95	11			
95			3.4	99	13			
90	15		3.3	99	13			Light greyish-brown
85	20		2.6	96	10			
	25							

(CONTINUED ON FOLLOWING PLATE)

* See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/8/82 DR JOHN CE MD W.P. fm CHKD

Form 123

LOG OF BORING

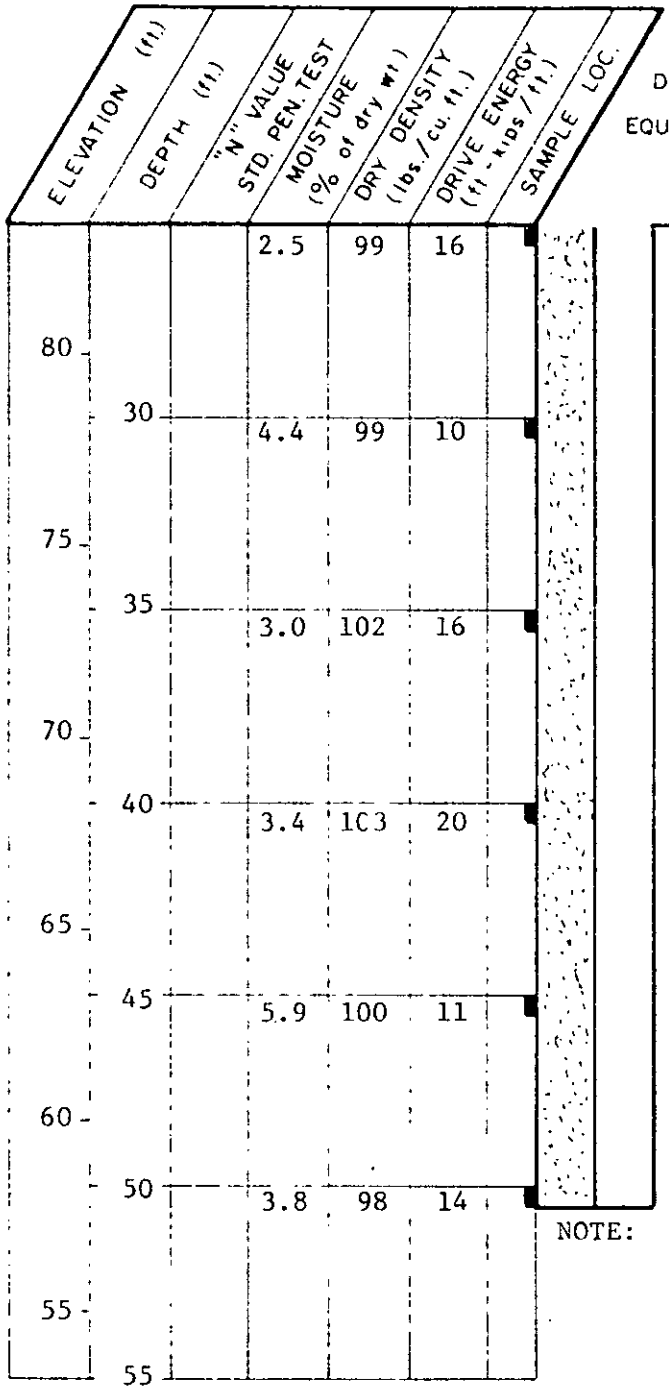
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.1a

BORING 1 (CONTINUED)

DATE DRILLED December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket



NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/8/82 DR JOHN E MD WP fm CHKD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.1b

BORING 2

DATE DRILLED December 22, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 110.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110							SM	FILL - SILTY SAND - fine, dark brown
			4.5	111	11			
			5.4	107	8			Lenses of fine Sand, oily, brown and grey
	5							
105			6.5	119	18		SP	FILL - SAND - fine, dark brown
			6.8	109	13			Some Silt and Clay, yellowish-brown
	10							
100			12.8	109	13			Patches of Clay and Silt
								Pieces of concrete
	15							
95			11.4	107	10			
							SM	FILL - SILTY SAND - fine, pieces of wood, dark brown
	20							Streaks of Sand
90			6.5	111	11			
							SP	SAND - fine, light yellowish-brown
	25							
85			4.8	96	5			
80	30		4.5	100	9			NOTE: Water not encountered. Caving from 14' to 17' and 22' to 25' (to 2½' in diameter).
75	35		4.8	104	16			
	40		3.2	104	24			

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN CHKD

fm W.P.

MD C.E.

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.2

BORING 3

DATE DRILLED: December 21, 1981

EQUIPMENT USED: 5"-Diameter Rotary Wash

ELEVATION 107.8

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		6.1	123	19		SM	FILL - SILTY SAND - some Clay, pieces of asphalt, mottled brown
			7.4	125	22			Dark grey and brown
100	5		6.8	117	8			
			8.3	117	8			
95	10		8.6	123	21			Reddish-brown
	15		6.8	109	12			
90							SM	SILTY SAND - fine, dark brown
	20		8.3	112	17			Yellowish-brown
85								
	25		9.7	121	38			
80							SP	SAND - fine, light yellowish-brown
	30		18.1	101	14			
75								
	35							

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN CE MD W.P. fm CHKD fm

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.3a

BORING 3 (CONTINUED)

DATE DRILLED. December 21, 1981

EQUIPMENT USED 5"-Diameter Rotary Wash

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC
70	40		18.7	100	46	
65	45		16.2	107	42	
60	50		14.2	101	38	
55	55		7.4	99	46	
50	60		16.1	97	51	
45	65		10.0	98	64	
40	70		8.9	97	46	

Light greyish-brown

Fine to very fine

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E fm MD W.P. CHKD

Form 124

LOG OF BORING

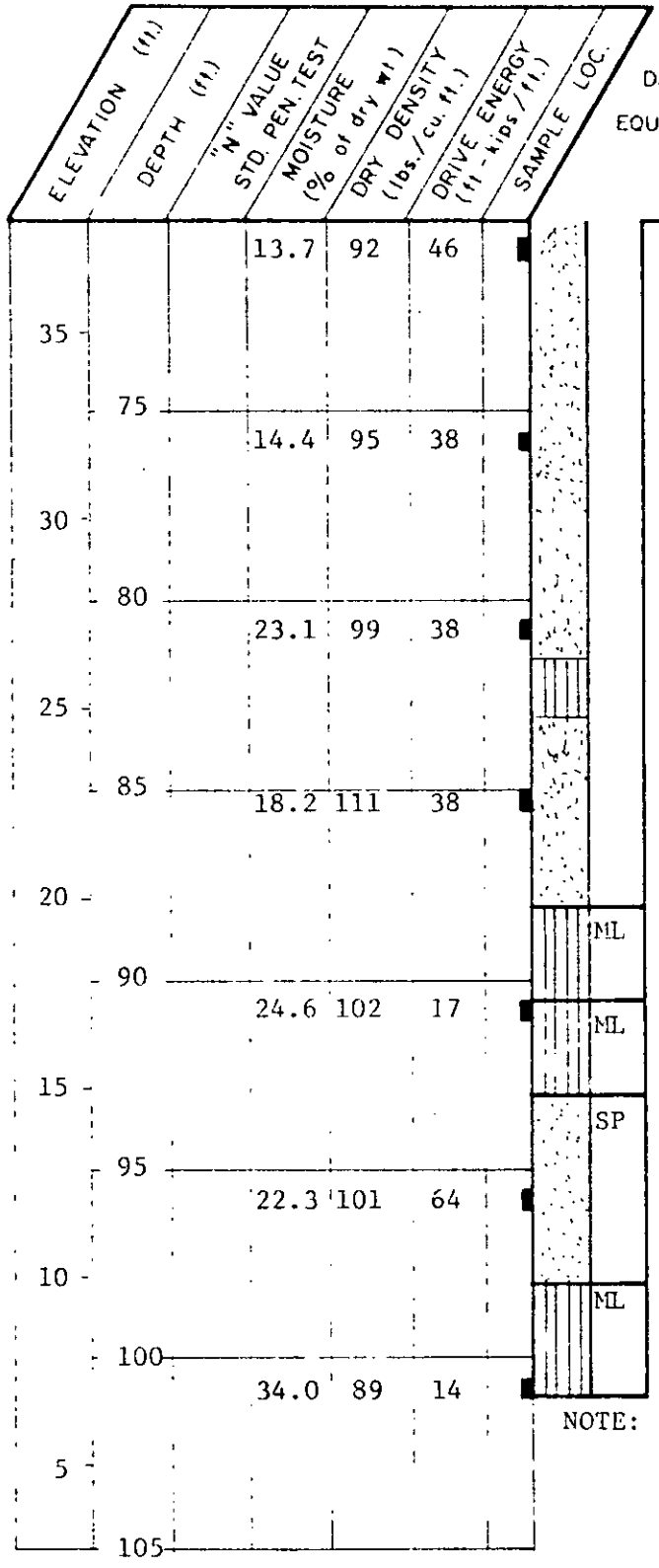
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.3b

BORING 3 (CONTINUED)

DATE DRILLED December 21, 1981

EQUIPMENT USED 5"-Diameter Rotary Wash



Large amount of fines

Layer of Clayey Silt, grey and brown
Thin alternate layers of Clayey Silt

ML SANDY SILT - some Clay, brown

ML CLAYEY SILT - some Sand, dark grey

SP SAND - fine, light brown

ML CLAYEY SILT - dark grey

NOTE: Drilling mud used in drilling process. Installed 2"-Diameter P.V.C. pipe to depth of 101' for downhole seismic survey. Annular space around outside of pipe backfilled with pea gravel.

NOTE THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN

fm CHKD

MD WP

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.3c

BORING 4

DATE DRILLED December 22, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 109.0

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
			6.1	110	5		SM	FILL - SILTY SAND - pieces of asphalt, reddish-brown
			6.3	114	25			
105	5							Patches of oily Silty Sand, dark greyish-brown
			7.7	120	17			Piece of concrete (to 6" in size)
			8.1	122	17			
100	10							Strong petroleum odor
			7.2	118	7			
95	15		5.8	105	15			
							SM	SILTY SAND - fine, some Clay, brown
90	20		7.9	105	8			
							SP	SAND - very fine, light greyish-brown
85	25		1.9	104	13			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN Q.E. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.4a

BORING 4 (CONTINUED)

DATE DRILLED December 22, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC
80	30	4.0	97	15		
75	35	4.7	98	22		
70	40	3.4	98	22		
65	45	3.7	106	26		
60	50	3.9	96	22		

Light brown

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD

fm W.P MD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

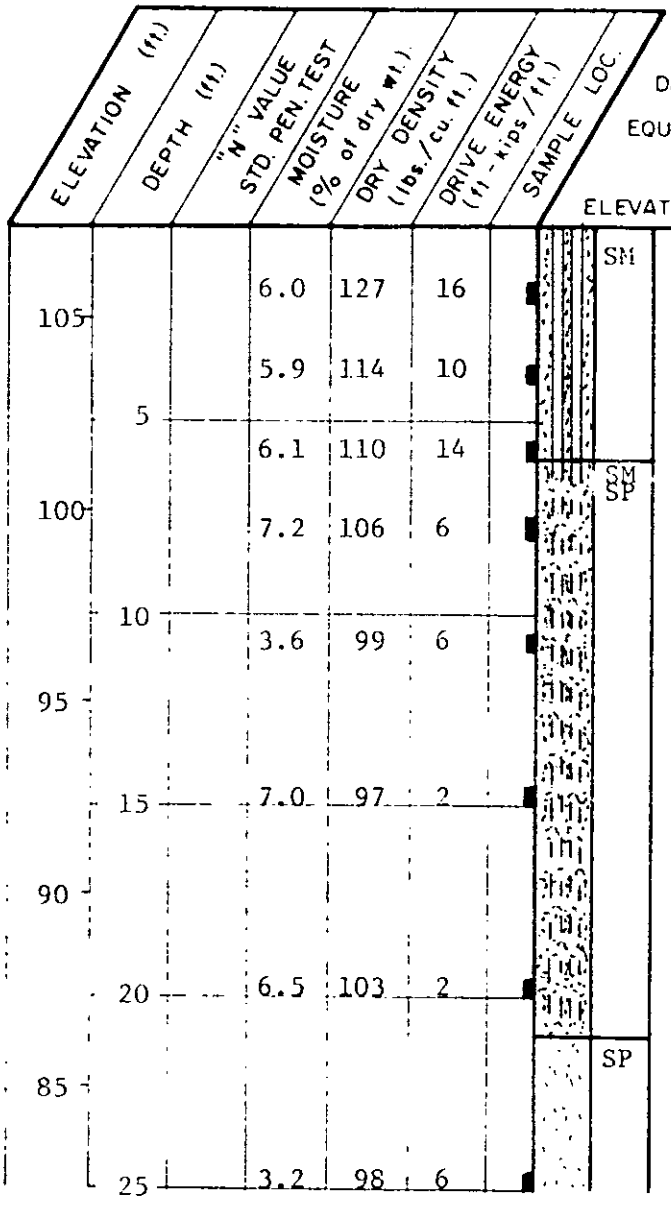
PLATE A-1.4b

BORING 5

DATE DRILLED. December 23, 1981

EQUIPMENT USED. 20"-Diameter Bucket

ELEVATION 107.3



FILL - SILTY SAND - fine, light brown with yellowish-brown

Pieces of asphalt

FILL - SILTY SAND and SAND - yellowish-brown and brown (possibly natural from 8 to 21')

SAND - fine, light yellowish-brown

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-8140B DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD

Form 123

LOG OF BORING

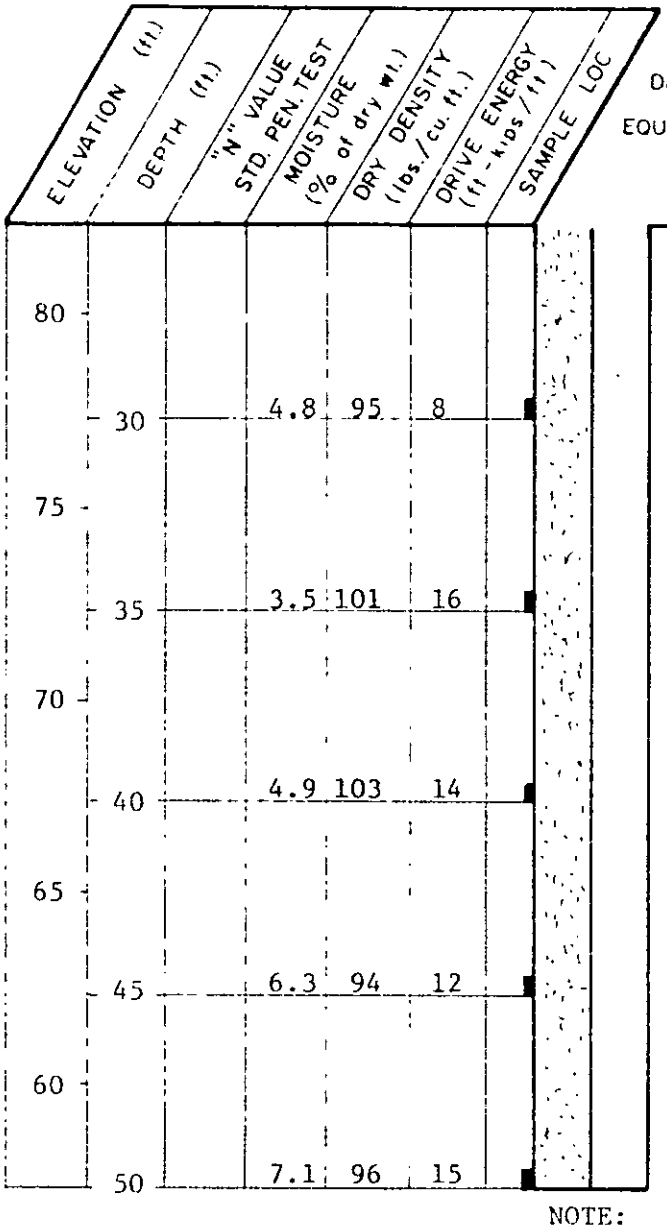
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.5a

BORING 5 (CONTINUED)

DATE DRILLED December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket



NOTE: Water not encountered. Caving from 9½' to 21' (to 3½' in diameter) and 27' to 29' (to 2½' in diameter).

NOTE THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E MD WP fm CHKD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.5b

BORING 6

DATE DRILLED. December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 108.4

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
			6.9	111	5		SM	FILL - SILTY SAND - fine, lenses of Sand and Clayey Sand, dark brown with yellowish- and reddish-brown
105			9.6	113	8			
	5		7.3	109	11			(possibly natural from 7 to 12')
			2.6	99	10			
100								
	10		2.8	100	11			
							SM	SILTY SAND - fine, brown
95							SP	SAND - fine, light yellowish-brown
			4.7	105	11			
	15							
90								NOTE: Water not encountered. No caving.
			3.2	103	18			
	20							
85								
			3.3	108	13			
	25							
80								Light greyish-brown
			4.5	95	10			
	30							
75								
			2.1	99	13			
	35							
70								Dark reddish-brown
			3.3	98	20			
	40							

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN CHKD fm W.P. MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.6

BORING 7

DATE DRILLED: December 22, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 112.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		10.6	102	8		SM SP	FILL - SILTY SAND and SAND - fine, brown and light yellowish-brown (Possibly natural from 2' to 9')
			8.8	105	13			
	5							Predominantly Sand, yellowish-brown
			6.3	100	13			
105			6.0	101	11			
	10						SP	SAND - fine, light yellowish-brown
			6.7	102	10			
100								
	15		8.0	100	11			
95								
	20		3.0	98	10			Light greyish-brown
90								
	25		3.4	99	14			
85								
	30		2.7	100	10			
80								
	35		3.1	94	13			

NOTE: Water not encountered. Heavy caving below 10' (to 6' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN MD F W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.7

BORING 8

DATE DRILLED December 22, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 115.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
115							SM	FILL - SILTY SAND - fine, few gravel, mottled dark brown
			4.1	111	11		SM	SILTY SAND - fine, some Clay, reddish-brown
110	5		7.6	108	19			Lenses of poorly graded Sand
			5.6	98	13		SP	SAND - fine, yellowish-brown
			6.0	107	16		SC	CLAYEY SAND - fine, reddish-brown
105	10							
			3.9	107	11		SP	SAND - fine, light reddish-brown and yellowish-brown
100	15		3.4	108	13			
95	20		2.5	102	16			
90	25		2.4	99	16			
85	30		3.4	99	12			
80	35		3.6	95	10			
	40		4.3	100	10			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD W.P. fm MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.8

BORING 9

DATE DRILLED: December 22, 1981

EQUIPMENT USED: 18"-Diameter Bucket

ELEVATION 111.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110							FILL - SILTY SAND - fine, brown	
	5		10.1	122	13		Patches of oily Silty Sand, dark grey	
105			9.4	119	12			
			8.4	120	13		Dark brown	
	10		8.9	124	15		Lenses of Clayey Sand, grey and brown	
100			7.8	121	12		(Possibly natural from 13' to 22')	
	15		10.5	110	13			
95								
			8.6	120	17		Oily streaks Dark grey	
	20							
90								
						SM	SILTY SAND - fine, brown	
	25		8.2	116	10			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD W.P. fm MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.9a

BORING 9 (CONTINUED)

DATE DRILLED December 22, 1981

EQUIPMENT USED. 18"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
85								
	30		8.7	105	18		SP	SAND - very fine, light brown
80								
	35		6.4	102	18			
75								
	40		5.1	101	24			
70								
	45		5.2	99	17			
65								
	50		6.3	105	17			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E WP CHKD fm MD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

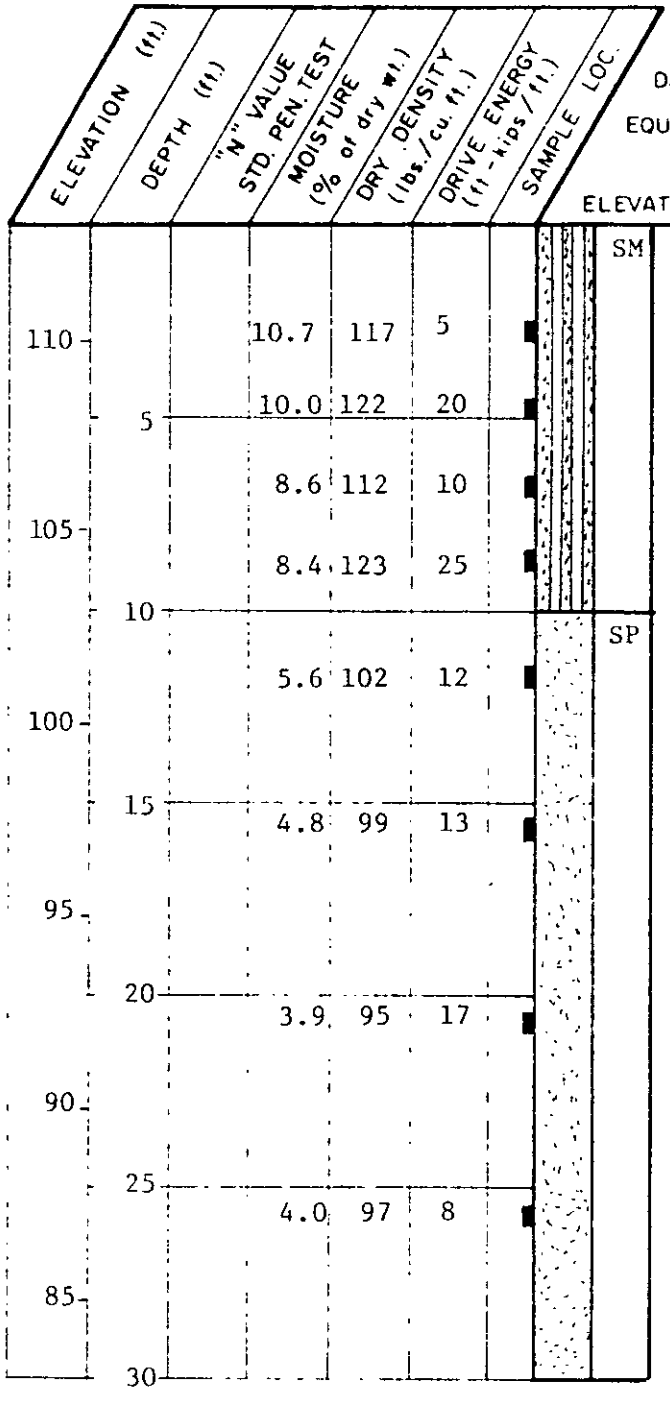
PLATE A-1.9b

BORING 10

DATE DRILLED. December 22, 1981

EQUIPMENT USED. 18"-Diameter Bucket

ELEVATION 112.9



FILL - SILTY SAND - fine, pieces of asphalt, brown

(Possibly natural from 5' to 10')

SAND - very fine, light brown

(BORING TERMINATED AT 30' DUE TO HEAVY CAVING AND DIFFICULT DRILLING)

NOTE: Water not encountered. Heavy caving below 25' (to 4' in diameter). Hole caved back from 30' to 25'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-8140 8 DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD ////

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

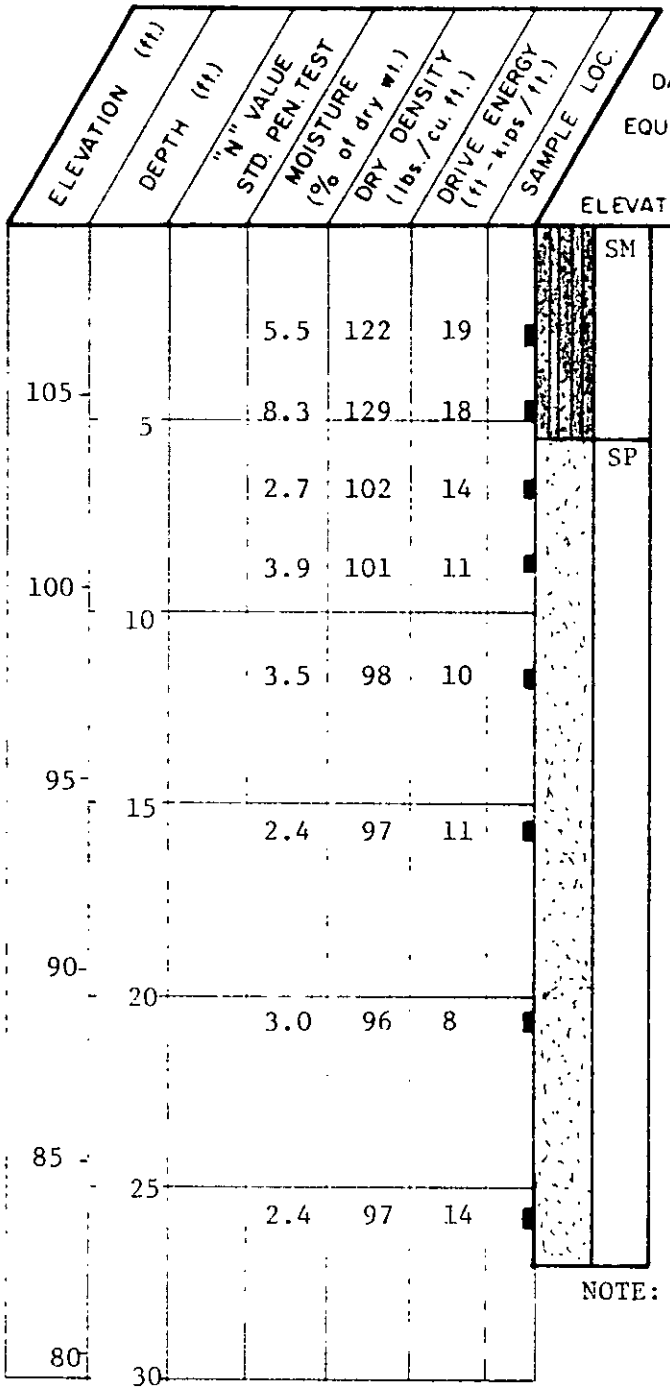
PLATE A-1.10

BORING II

DATE DRILLED: December 24, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.3



SM FILL - SILTY SAND - fine, dark brown

Streaks of yellowish-Sand
Oily streaks
Grey and brown

SP SAND - fine, light yellowish-brown

NOTE: Water not encountered. Caving below 7' (to 6' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN C.E. MD W.P. fg CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.11

BORING 12

DATE DRILLED: December 24, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 111.4

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		7.3	128	22		SM SC	FILL - SILTY SAND and CLAYEY SAND - fine, few gravel, mottled brown
			8.2	128	16			
105	5		5.7	108	11		SM	SILTY SAND - fine, dark brown
			2.6	100	8		SP	SAND - fine, light yellowish-brown
100	10		2.5	96	8			
95	15		2.2	96	8			
90	20		2.0	96	11			(BORING TERMINATED AT 23' DUE TO HEAVY CAVING AND DIFFICULT DRILLING).
	25						NOTE:	Water not encountered. Heavy caving below 7' (to 6' in diameter). Hole caved back from 23' to 15'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD

Form 123

LOG OF BORING

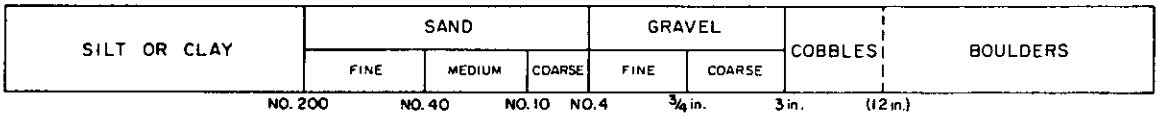
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.12

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel-sand-silt mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS



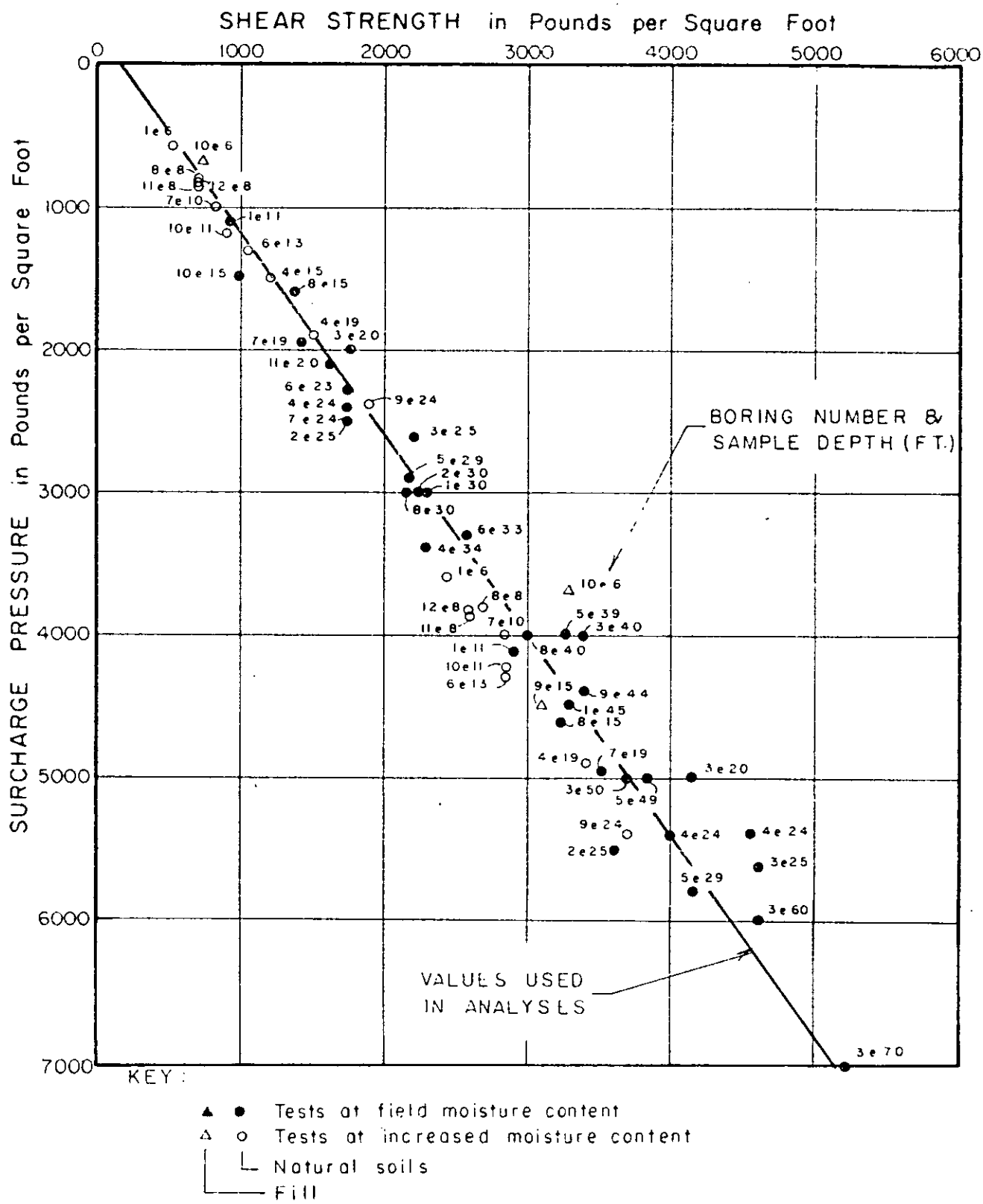
UNIFIED SOIL CLASSIFICATION SYSTEM

Reference:
The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LeRoy Crandall and Associates

FORM 133-A

PLATE A-2



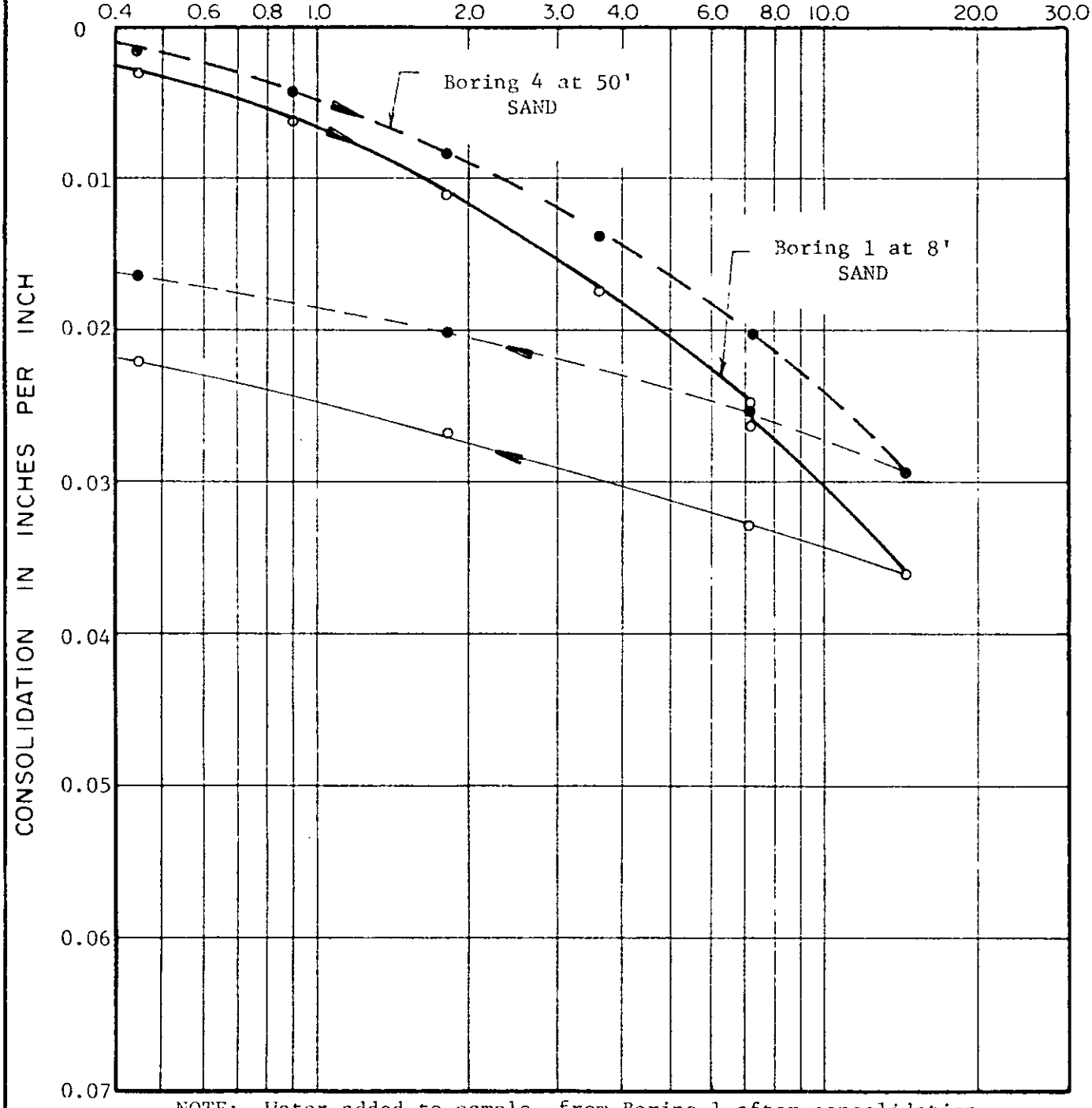
DIRECT SHEAR TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-3

108 JOB A-81408 DATE 1/14/82 JOHN O.E. CHKD

JOB A-81408 DATE 1/11/82 DR. JOHN O.E. MD CHKD.



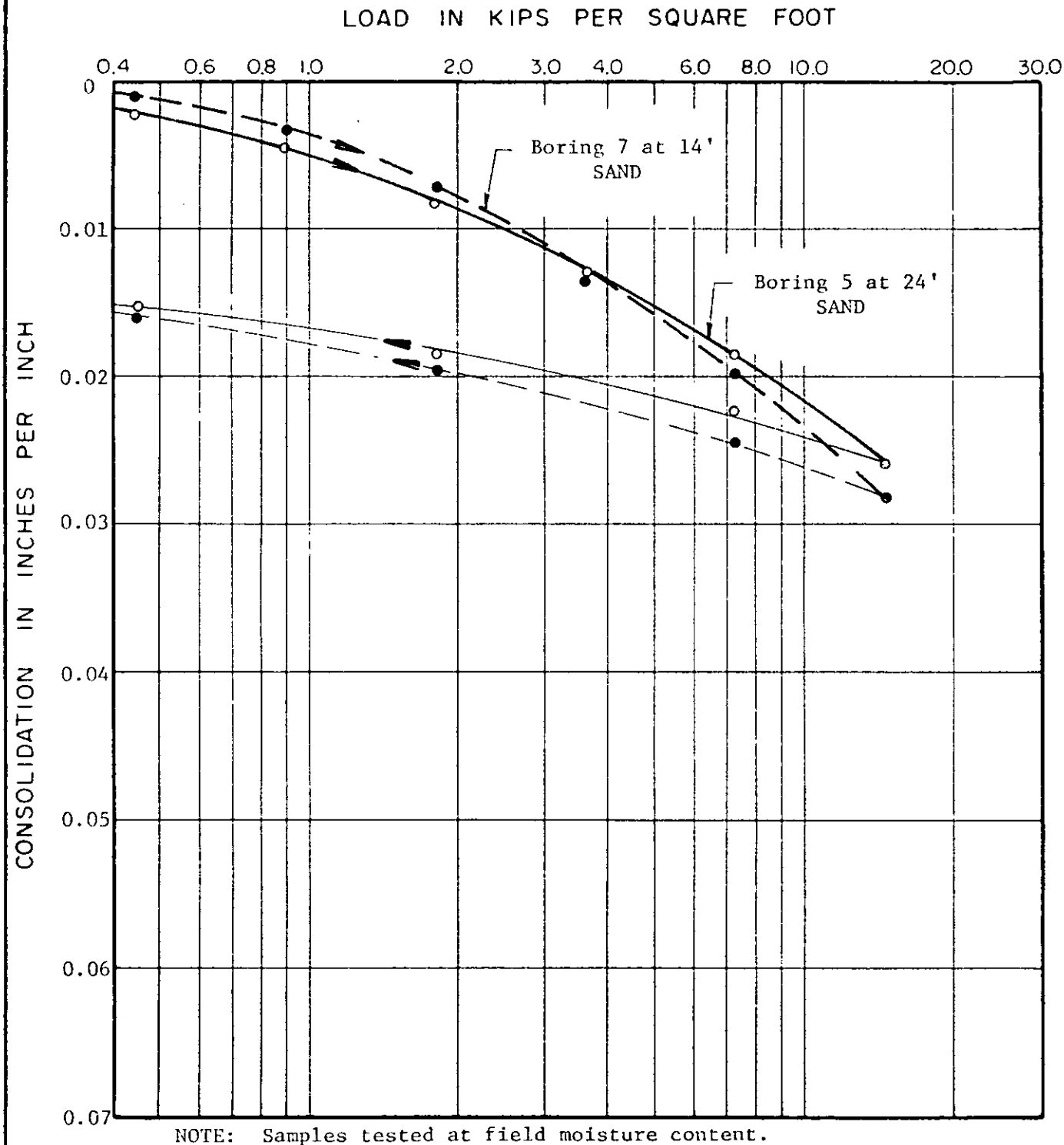
NOTE: Water added to sample from Boring 1 after consolidation under a load of 7.2 kips per square foot. The other sample tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4.1

JOB A-81408 DATE 1/11/82 DR JOHN O.E. CHKD.



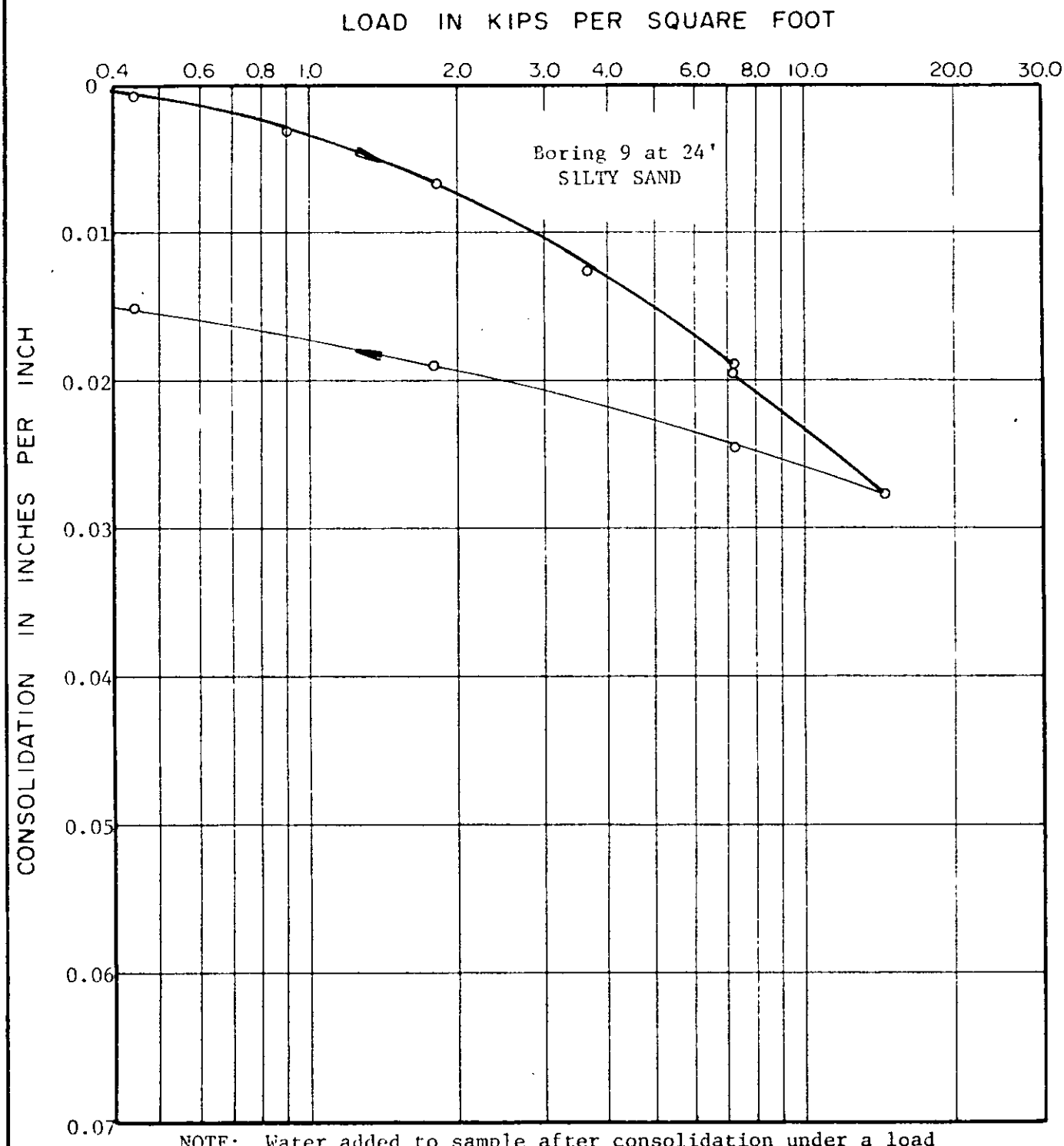
NOTE: Samples tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4.2

JOB A-81408 DATE 1/11/82 DR JOHN O.E. MD CHKD.



NOTE: Water added to sample after consolidation under a load of 7.2 kips per square foot.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4.3

JOB ADE-81408 DATE 2/3/82 BY DR MD W.P. fm CHKD

BORING NUMBER AND SAMPLE DEPTH:	5 at 0' to 5'
SOIL TYPE:	FILL - SILTY SAND
MAXIMUM DRY DENSITY * : (LBS./CU. FT.)	127
OPTIMUM MOISTURE CONTENT * : (% OF DRY WT.)	8
EXPANSION (%) : (FROM OPTIMUM TO SATURATED MOISTURE CONTENT)	0.1
C.B.R. ** (% OF STANDARD)	
AT 90% COMPACTION :	17
AT 95% COMPACTION :	39

* TEST METHOD: ASTM DESIGNATION D1557-70.

** TEST METHOD: ASTM DESIGNATION D1883-73.

COMPACTION AND C. B. R. TEST DATA

FORM 113

LeROY CRANDALL AND ASSOCIATES

PLATE A-5

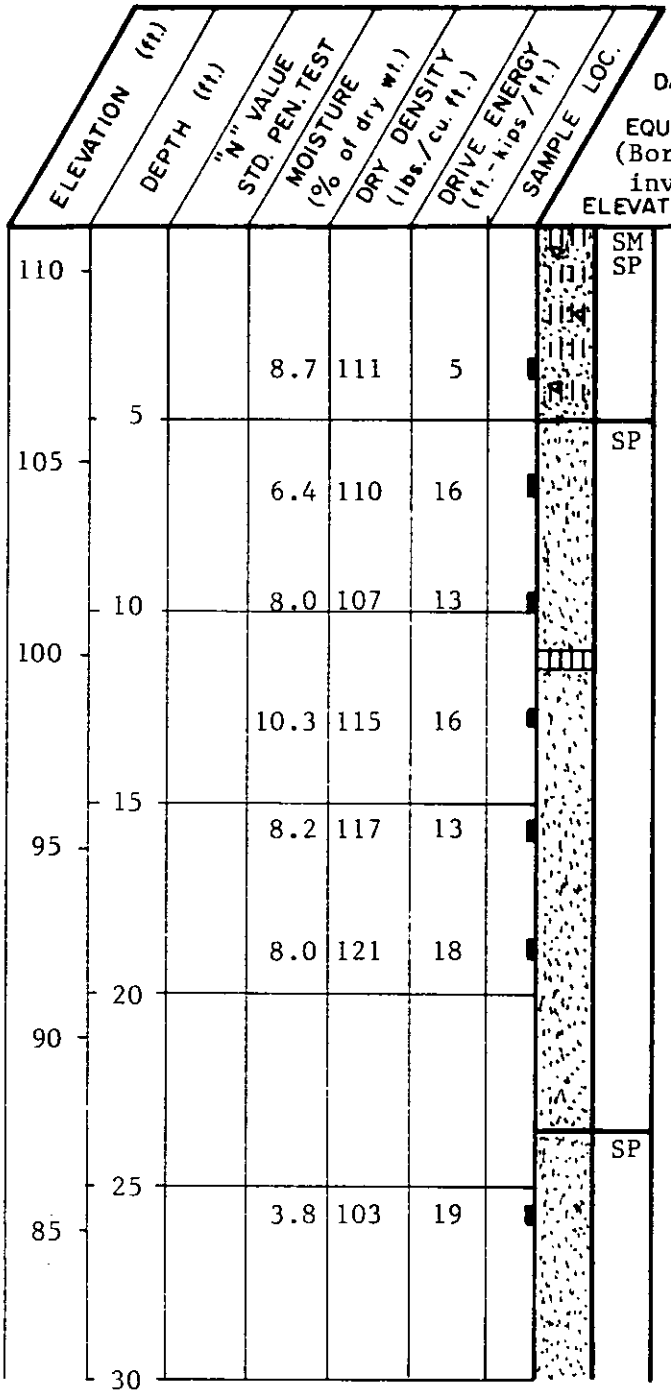
A-81408-B

BORING 13

DATE DRILLED: June 4, 1984

EQUIPMENT USED: 20"-Diameter Bucket
(Borings 1 through 12 drilled during previous investigation. LC&A Job No. A-81408)

ELEVATION 111.1*



SM SP	FILL - SILTY SAND and SAND - fine, pieces of asphaltic paving and concrete, brown
SP	FILL - SAND - fine, brown
	Lenses of Silty Sand
	Layer of Sandy Silt
SP	SAND - fine, light brown

(CONTINUED ON FOLLOWING PLATE)

*See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-B DATE 6/8/84 DR. JOHN CHKD MS W.P. MW ge

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-A

BORING 13 (CONTINUED)

DATE DRILLED: June 4, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.
80			2.5	101	14	
	35					
75			4.6	96	8	
	40					
70			3.4	96	14	
	45					
65			3.6	100	12	
	50					
60			5.6	97	10	
55						

NOTE: Water not encountered. Slight raveling below 26'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Form 124 JOB A-81408-B DATE 6/ 8/84 DR. JOHN MS W.P. CHKD ge

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-B

BORING 14

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.8

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
			8.3	128	16		SM	FILL - SILTY SAND - fine, pieces of asphaltic paving and concrete, mottled brown
105	5		7.5	111	19		SP	FILL - SAND - fine, mottled brown
			4.7	102	18		SP	SAND - fine, light brown
100	10		4.3	102	18			
95	15		5.0	101	19			Lenses of Silty Sand
			5.0	101	14			
90	20		5.2	99	16			
85	25		3.8	96	16			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-8 DATE 6/8/84 DR. JOHN CHKD

MS W.P. ge

Form 123

LOG OF BORING

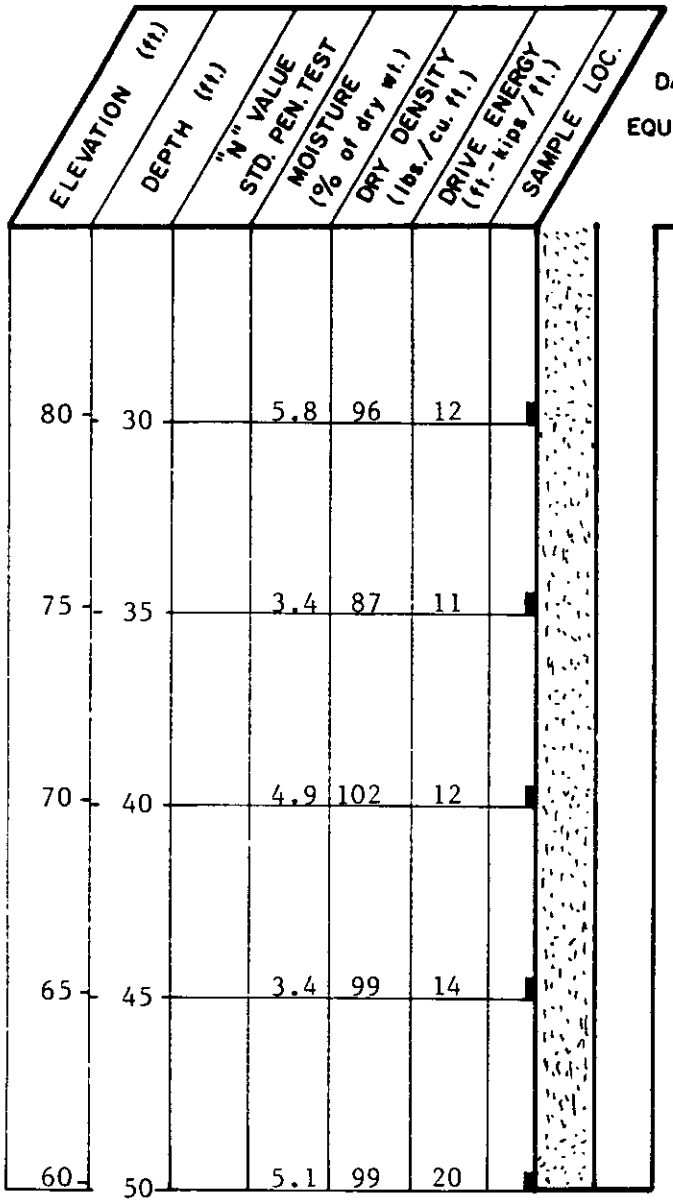
LeROY CRANDALL AND ASSOCIATES

PLATE 2-C

BORING 14 (CONTINUED)

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket



NOTE: Water not encountered. Caving from 37' to 40' (to 3' in diameter). Slight raveling throughout boring.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Form 124 JOB A-81408-B DATE 6/8/84 DR. JOHN MS ge CHKD

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-D

BORING 15

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.4

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	5		5.1	110	8		SM	FILL - SILTY SAND - fine, pieces of concrete, mottled brown
			6.5	115	14			
100	10							
95	15							

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-8140-8 DATE 6/8/84 DR. JOHN CHKD

MS P.E.

ge

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-E

BORING 16

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.6

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	5		6.5	117	6		SP SM	FILL - SAND and SILTY SAND - fine, pieces of asphaltic paving, concrete and wood, mottled brown
			7.5	131	11			Odorous, dark grey
			9.3	125	14			
100	10							
95	15							

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-B DATE 6/8/84 DR. JOHN MS ge CHKD pm

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-F

BORING 17

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.
ELEVATION 107.6						
105			7.7	118	8	SP SM
	5		7.9	125	11	
100						
	10					
95						
	15					

FILL - SAND and SILTY SAND -fine, pieces of concrete, mottled brown

Oil stained

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-8 DATE 6/8/84 DR. JOHN CHKD MS P. ge

Form 123

LOG OF BORING

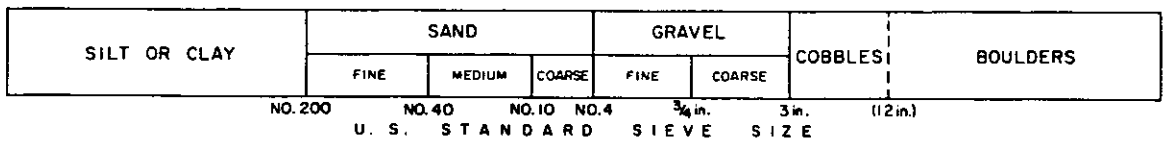
LeROY CRANDALL AND ASSOCIATES

PLATE 2-G

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel-sand-silt mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

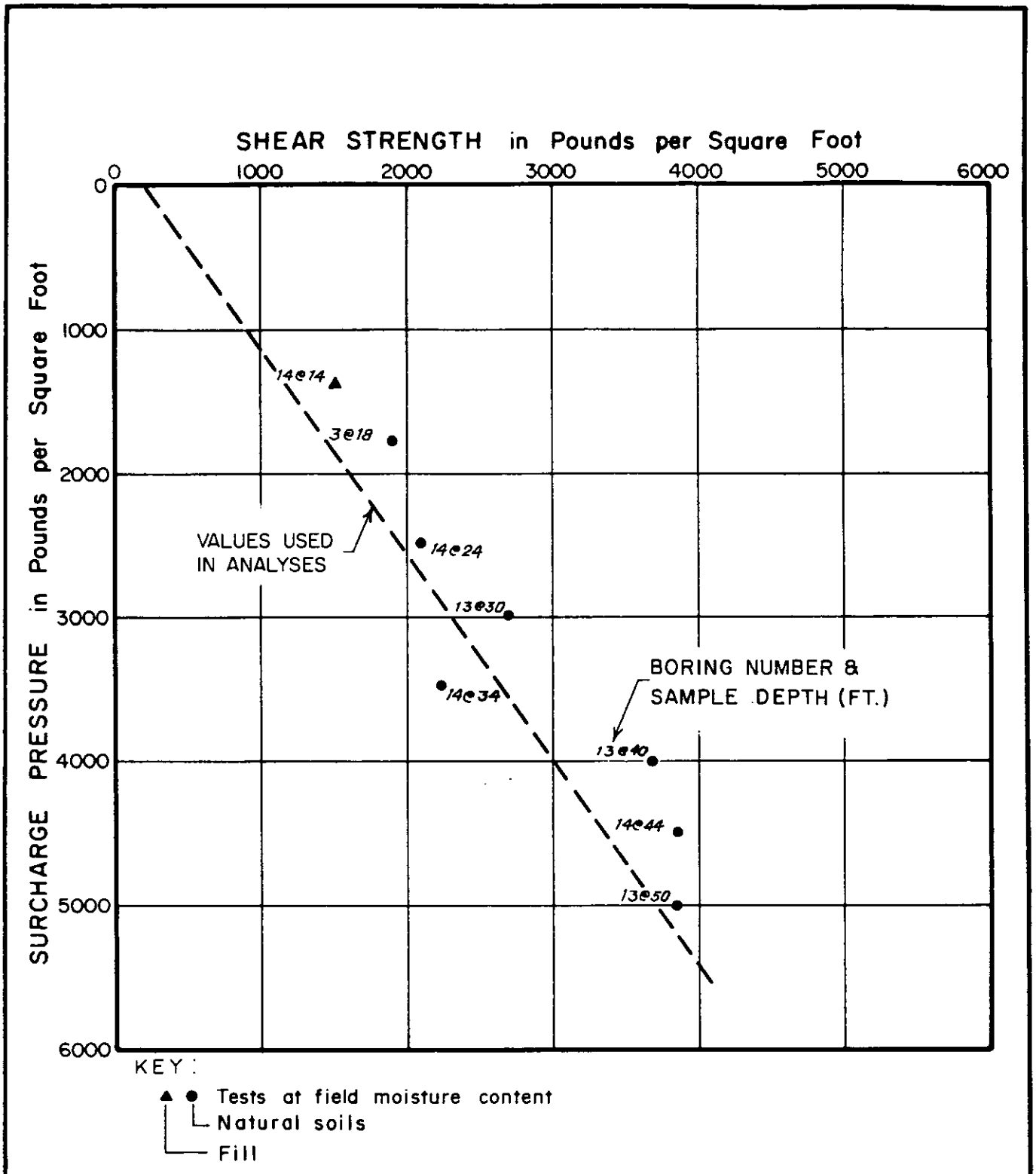


UNIFIED SOIL CLASSIFICATION SYSTEM

Reference:
The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LEROY CRANDALL & ASSOCIATES

PLATE 3



DIRECT SHEAR TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE 4

108 JOB A-81408-B DATE 6-13-84 M.G. O.E. MD CHKD.

BORING NUMBER AND SAMPLE DEPTH:	Boring 16 at 1' to 2'
SOIL TYPE:	FILL - SAND and SILTY SAND
MAXIMUM DRY DENSITY * : (LBS./CU. FT.)	124
OPTIMUM MOISTURE CONTENT * : (% OF DRY WT.)	8
EXPANSION (%) : (FROM OPTIMUM TO SATURATED MOISTURE CONTENT)	0.1
C.B.R. ** (% OF STANDARD)	
AT 90% COMPACTION:	8
AT 95% COMPACTION:	44

* TEST METHOD: ASTM DESIGNATION D1557-70.

** TEST METHOD: ASTM DESIGNATION D1883-73.

COMPACTION AND C. B. R. TEST DATA

LeROY CRANDALL AND ASSOCIATES

PLATE 5

JOB A-81408-B DATE 6/13/84 DR. E. W MS W.P. tk CHKD

FORM

Report of Geotechnical Consultation – Proposed 1950/1960 Grand Development
Project 4953-20-0331
June 5, 2020 Revised November 3, 2020

A-81141

BORING 1

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 107.7*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
105	0		8.8	123	6		SM	FILL - SILTY SAND - fine, pieces of oil paving, mottled brown
			6.7	109	6			
	5		7.2	114	11		SC	CLAYEY SAND - fine, reddish-brown
100			3.8	104	10		SP	SAND - fine, light yellowish-brown
	10		3.3	99	6			
95								
	15		3.9	98	14			
90								
	20		3.4	100	13			
85								
	25		3.2	99	10			
80								
	30		4.9	98	6			
75								
	35		4.7	106	10			
70								
	40		5.2	102	8			

Fine and medium

NOTE: Water not encountered. Caving from 8' to 12'.

*See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-8114 DATE 4/21/81 DR JOHN O E Y'S W.P. K CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-A

BORING 2

DATE DRILLED. April 17, 1981

EQUIPMENT USED. 18"-Diameter Bucket

ELEVATION 109.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
			8.1	125	8		SM SP	FILL - SILTY SAND and SAND - fine, few pieces of oil paving, mottled brown
			7.7	116	10			Dark grey and grey
105	5		7.9	107	6		SC	FILL - CLAYEY SAND - fine, brown
			9.9	112	10			
100	10		7.3	110	11		SM SP SC	FILL - SILTY SAND, SAND and CLAYEY SAND - fine, brown, grey and yellowish-brown
95	15		8.5	119	8			Pieces of oil paving
								Petroleum odor
								Few pieces of vegetation
90	20		11.3	121	8			Light grey
							SM	SILTY SAND - fine, brown and greyish-brown
85	25		4.6	99	5		SP	SAND - fine, light yellowish-brown
80	30		4.7	97	8			
75	35		4.1	100	10			
70	40		3.3	104	11			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81141 DATE 4/21/81 DR JOHN CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-B

BORING 3

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 110.8

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		8.7	126	10		SM SP	FILL - SILTY SAND and SAND - fine, mottled brown and yellowish-brown
			6.9	124	11			
105	5		6.2	105	3		SM	SILTY SAND - fine, brown
			7.4	118	10			
							SP	SAND - fine, light yellowish-brown
100	10		2.9	102	10			
			9.5	117	10		SM	SILTY SAND - fine, brown
95	15							
			5.2	113	11			
90	20							
							SP	SAND - fine, light yellowish-brown
			4.4	107	8			
85	25							
			5.1	106	6			
80	30							
			8.1	104	8			
75	35							
			4.6	106	9			
	40							

NOTE: Water not encountered. No caving.

NOTE. THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-8114 | DATE 4/21/81 | DR JOHN | CHKD | W.P. | kh

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE 2-C

BORING 4

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 112.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		8.8	115	6		SM SP	FILL - SILTY SAND and SAND - fine, brown and yellowish-brown
			7.1	128	5			Dark grey
105	5		11.5	115	10			Light brown
			7.9	125	14		SM	SILTY SAND - fine, light brown
100	10		8.9	123	13			Brown and greyish-brown
95	15		7.5	106	10		SP	SAND - fine, light yellowish-brown
90	20		10.6	114	10		SM	SILTY SAND - fine, brown
85	25		9.3	115	5		SP	SAND - fine, light yellowish-brown
								Layer of Silty Sand
80	30		6.5	105	10			
75	35		5.3	99	7			
	40		5.6	104	11			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-8114 | DATE 4/21/81 | DR JOHN | CHKD | W.P.

Form 123

LOG OF BORING

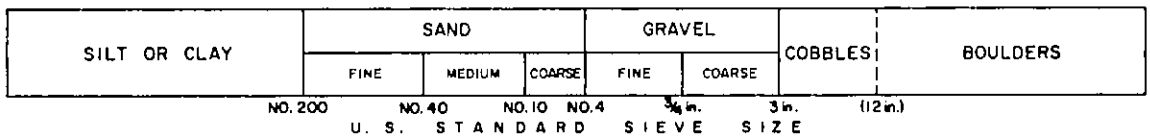
LeROY CRANDALL AND ASSOCIATES

PLATE 2-D

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel-sand-silt mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS



UNIFIED SOIL CLASSIFICATION SYSTEM

Reference:
The Unified Soil Classification System, Corps of Engineers, U. S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LEROY CRANDALL & ASSOCIATES

PLATE 3

ADE-79337

BORING 1

DATE DRILLED: December 6 and 7, 1979

EQUIPMENT USED 16"-Diameter Bucket

ELEVATION 107.6*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		7.0	128	13		SM	FILL - SILTY SAND - fine, yellowish-brown and brown Patch of oil and asphaltic paving
	5		2.7	96	8		SP	SAND - fine, light brown and light yellowish-brown
100			3.0	99	8			
	10							
95			7.0	99	11			
	15		5.5	96	11			
90			4.7	105	14			Layers of Silty Sand
	20		4.1	103	8			
85								
	25		3.7	96	6			
30			4.5	97	12			
	30		6.1	97	8			
75								
	35		4.2	98	8			
70								
	40							

*Elevations refer to datum of reference survey.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

(CONTINUED ON FOLLOWING PLATE)

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

BORING 1 (CONTINUED)

DATE DRILLED: December 6 and 7, 1979

EQUIPMENT USED: 16"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.
65	45		8.4	118	8	
60	50		3.9	100	10	
55	55		5.9	92	10	
50	60		5.4	92	12	
45	65		7.9	92	11	
40	70		9.1	89	12	
35	75		10.2	96	12	
30	80		21.0	98	12	

Light brownish-grey

Brownish-grey

NOTE: Water not encountered. Caving from 60' to 70' (to 3½' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

1-79 DATE 1-80 E. A.C. W. KD U V L

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.1b

BORING 2

DATE DRILLED December 7, 1979

EQUIPMENT USED 16"-Diameter Bucket

ELEVATION 110.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0						SM	FILL - SILTY SAND - fine, light brown and brown
			5.1	112	10			
							SM	SILTY SAND - dark brown
105	5		9.0	119	14			Yellowish-brown and brown
			6.8	99	11		SP	SAND - fine, light brown and light yellowish-brown
100	10		4.2	100	13			
	15		4.0	96	10			
95			4.1	97	16			
90	20		4.4	99	11			
			2.8	96	11			
85	25		8.6	91	6			
	30		4.4	95	6			
80								
	35		6.7	94	6			
75								
	40		6.3	101	9			

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

(CONTINUED ON FOLLOWING PLATE)

LOG OF BORING

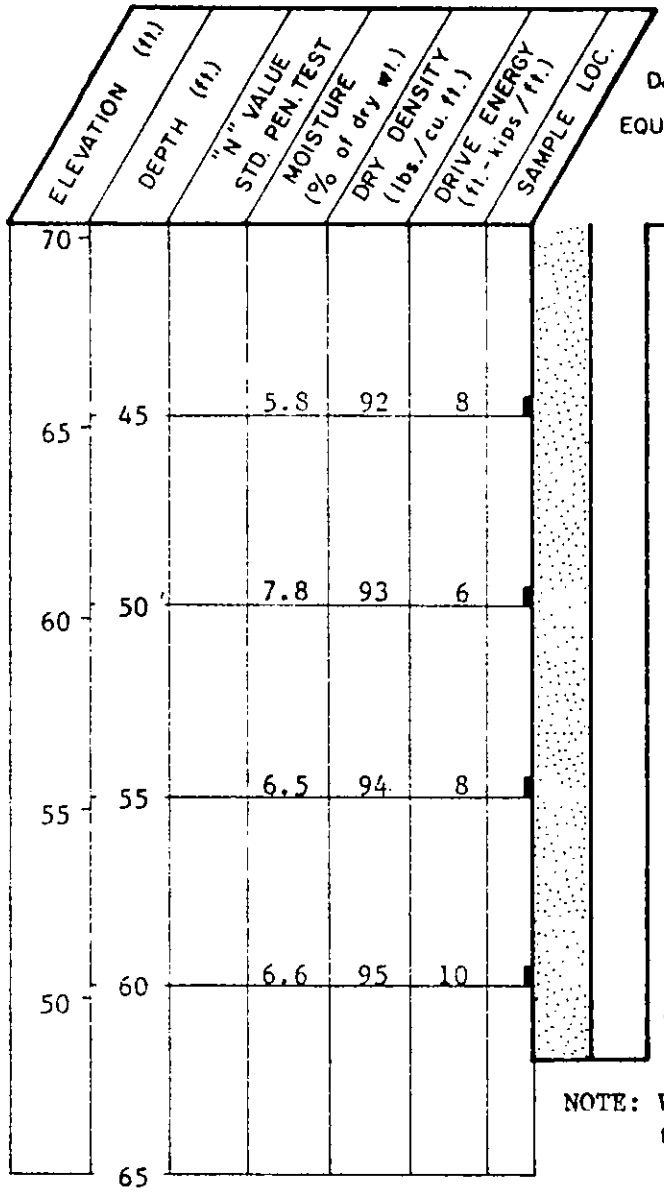
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.2a

BORING 2 (CONTINUED)

DATE DRILLED: December 7, 1979

EQUIPMENT USED: 16"-Diameter Bucket



NOTE: Water not encountered. Boring caved back to 13' when boring reached 62'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

LOG OF BORING

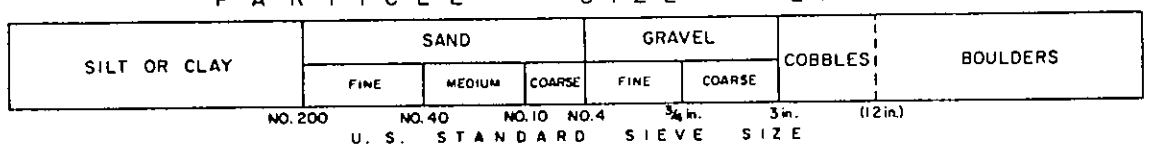
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.2b

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel-sand-silt mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

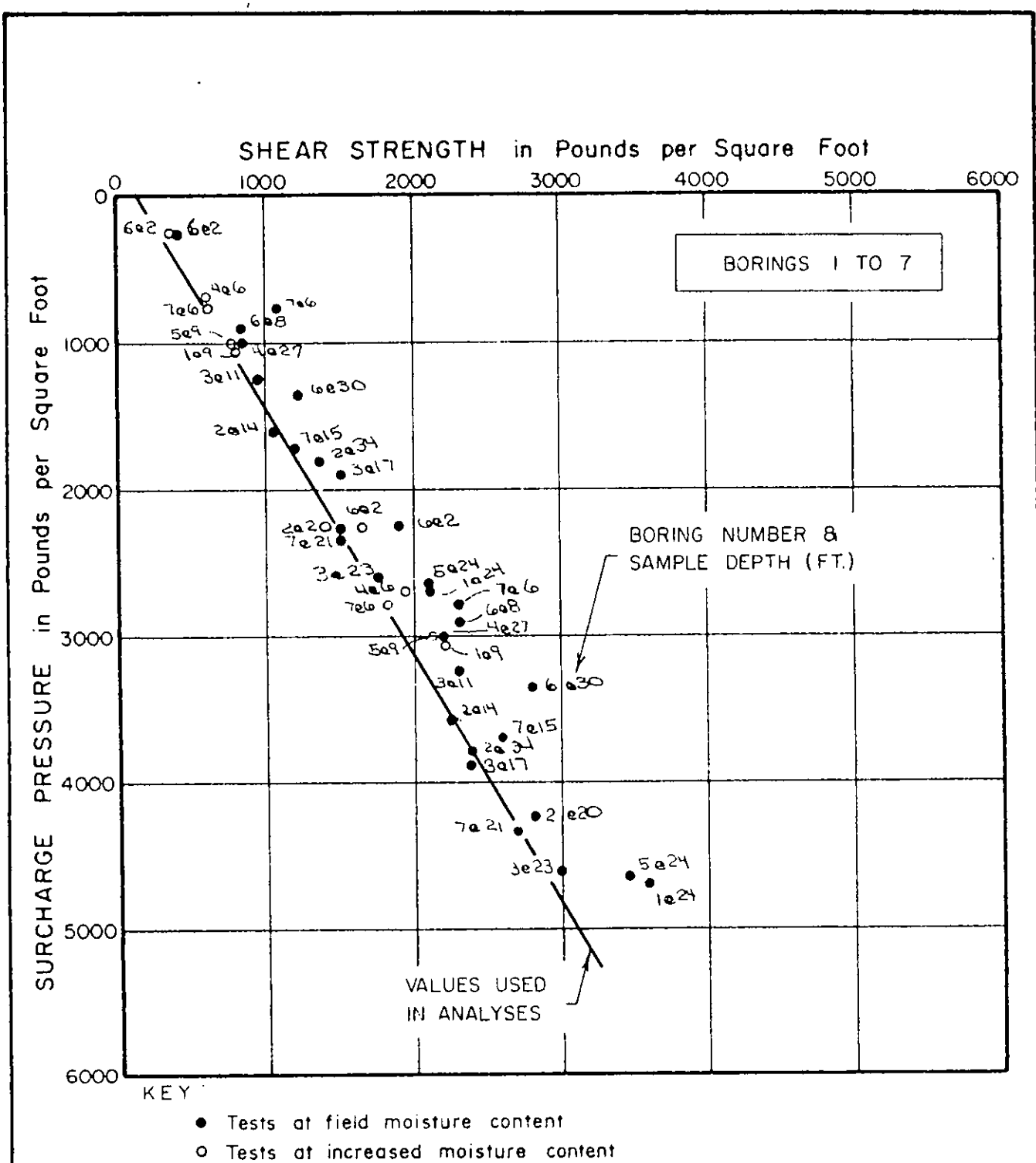


UNIFIED SOIL CLASSIFICATION SYSTEM

Reference:
The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LeRoy Crandall and Associates

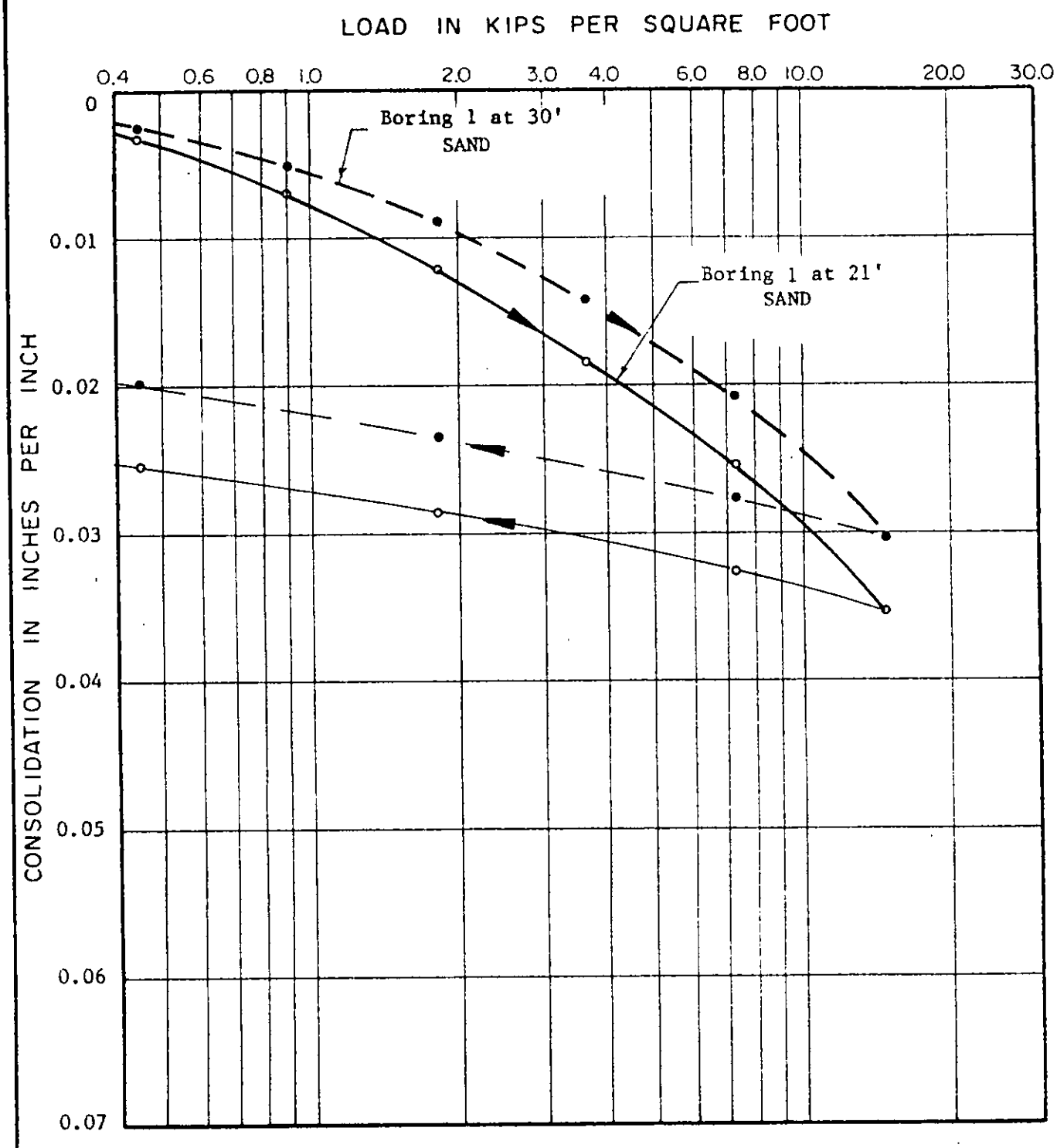
PLATE A-2



DIRECT SHEAR TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-3.1

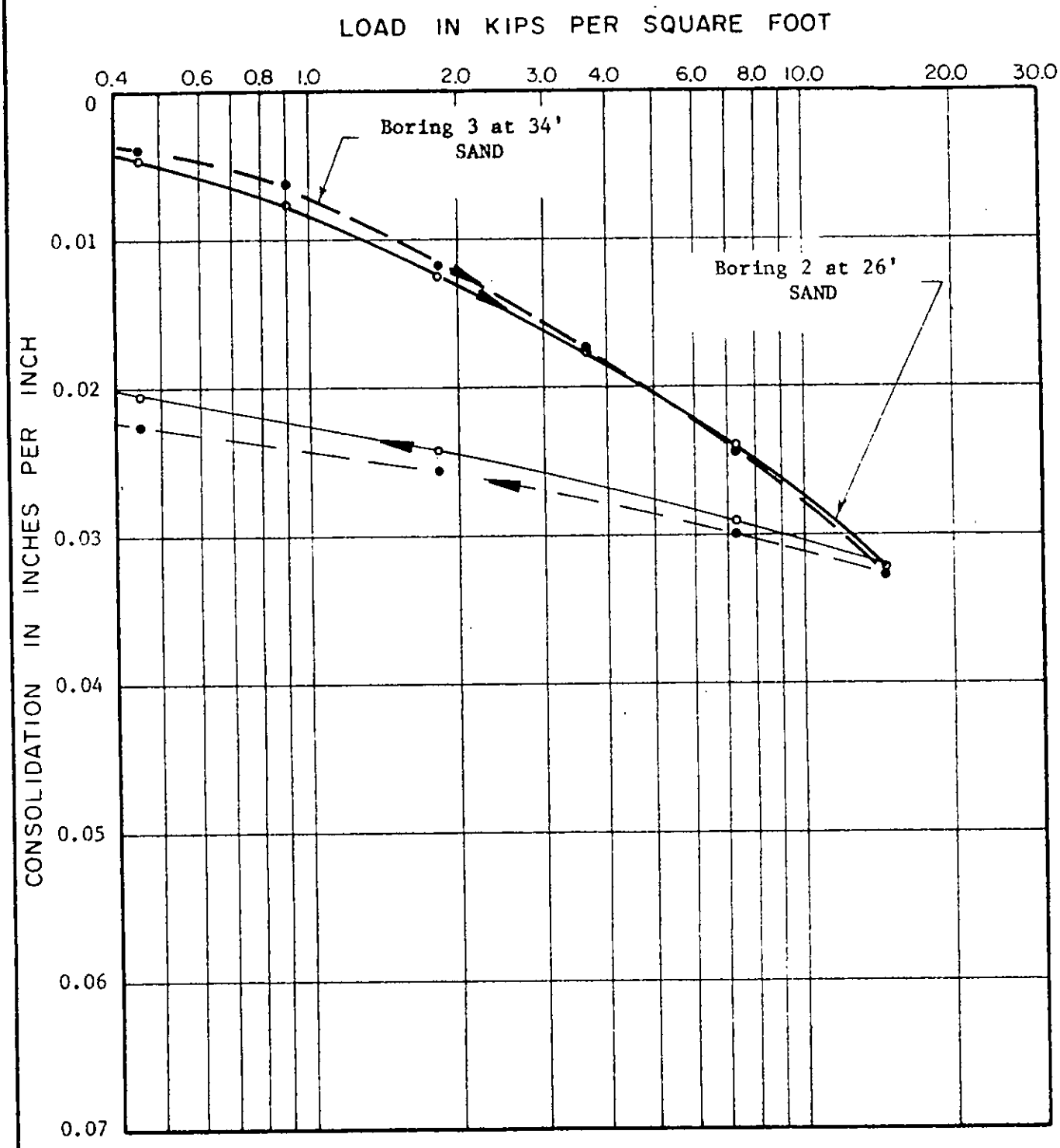


NOTE: Samples tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4.1



NOTE: Samples tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4.2

BORING NUMBER AND SAMPLE DEPTH:	1 at 5' to 12'	3 at 1' to 4'
SOIL TYPE:	SAND	SILTY SAND
MAXIMUM DRY DENSITY * : (LBS./CU. FT.)	102	127
OPTIMUM MOISTURE CONTENT * : (% OF DRY WT.)	7	8
EXPANSION (%) : (FROM OPTIMUM TO SATURATED MOISTURE CONTENT)	0.0	0.0
C.B.R. ** (% OF STANDARD)		
AT 90% COMPACTION :	7	17
AT 95% COMPACTION :	12	47

* TEST METHOD: ASTM DESIGNATION D1557-70.

** TEST METHOD: ASTM DESIGNATION D1883-73.

COMPACTION AND C. B. R. TEST DATA

LeROY CRANDALL AND ASSOCIATES

PLATE A-5

JOB A79337 DATE 1/15/80 DR. O.E. BK W.P. Kg CHKD MD

Appendix B

Surface Wave Measurements by GEOVision

GEOVision
geophysical services

REPORT

SURFACE WAVE MEASUREMENTS

1950 E. GRAND AVENUE
EL SEGUNDO, CA 90245

GEO*Vision* Project No. 20277

Prepared for

Wood PLC
6001 Rickenbacker Road
Los Angeles, California 90040

Prepared by

GEO*Vision*, Inc.
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Report 20277-01 Rev 0

August 10, 2020

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1 INTRODUCTION

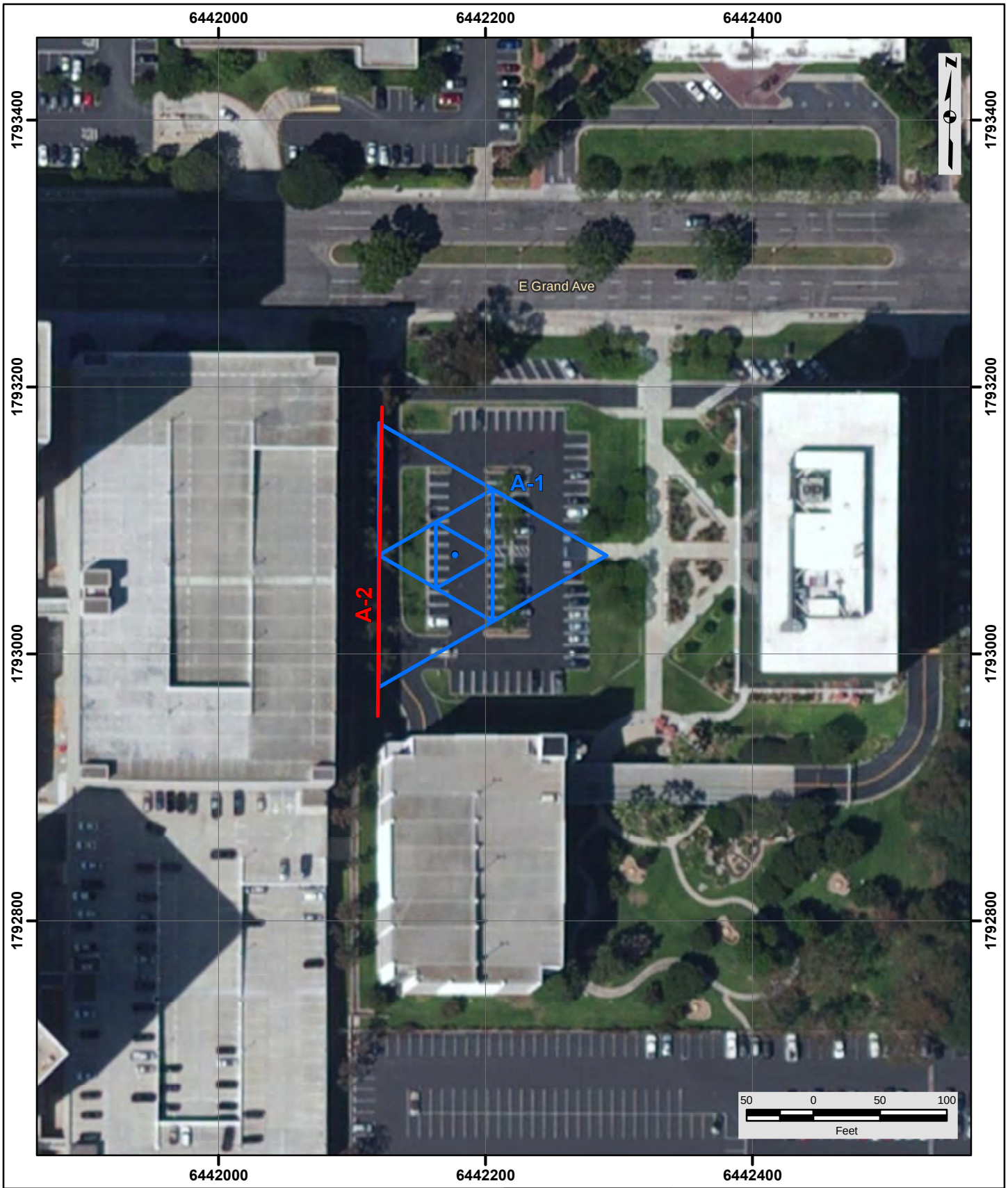
In-situ seismic measurements using active- and passive-source surface wave techniques were performed at 1950 E Grand Avenue in El Segundo, California on August 27, 2020. The purpose of this investigation was to provide a shear (S) wave velocity profile to a depth of 30 m (100 ft), or greater, and estimate the average S-wave velocity of the upper 30 m (V_{S30}) or 100 ft (V_{S100ft}). The active-source surface wave technique utilized during this investigation consisted of the multi-channel analysis of surface waves (MASW) method. The passive-source surface wave technique consisted of the array microtremor method. The locations of the active- and passive-source surface wave testing locations are shown on Figure 1. Array microtremor measurements were made using a triangle-shaped array (Array 1) and MASW measurements were made on a linear array along one of the legs of Array 1 (Array 2).

V_{S30} is used in the NEHRP provisions and the Uniform Building Code (UBC) to separate sites into classes for earthquake engineering design (BSSC, 2009). V_{S100ft} is used in the International Building Code (IBC) for site classification. These site classes are as follows:

Class A – hard rock – $V_{S30} > 1500$ m/s (UBC) or $V_{S100ft} > 5{,}000$ ft/s (IBC)
Class B – rock – $760 < V_{S30} \leq 1500$ m/s (UBC) or $2{,}500 < V_{S100ft} \leq 5{,}000$ ft/s (IBC)
Class C – very dense soil and soft rock – $360 < V_{S30} \leq 760$ m/s (UBC)
or $1{,}200 < V_{S100ft} \leq 2{,}500$ ft/s (IBC)
Class D – stiff soil – $180 < V_{S30} \leq 360$ m/s (UBC) or $600 < V_{S100ft} \leq 1{,}200$ ft/s (IBC)
Class E – soft soil – $V_{S30} < 180$ m/s (UBC) or $V_{S100ft} < 600$ ft/s (IBC)
Class F – soils requiring site-specific evaluation

At many sites, active surface wave techniques (MASW) with the utilization of portable energy sources, such as hammers and weight drops, are sufficient to obtain S-wave velocity sounding to 30 m (100 ft) depth. At sites with high ambient noise levels and/or very soft soils, these energy sources may not be sufficient to image to this depth and a larger energy source, such as a bulldozer, is necessary. Alternatively, passive surface wave techniques, such as the array microtremor technique can be used to extend the depth of investigation at sites that have adequate ambient noise conditions. It should be noted that two-dimensional passive-source surface wave arrays (e.g. triangular, circular, or L-shaped arrays) are expected to perform better than linear arrays.

This report contains the results of the active and passive surface wave measurements conducted at the site. An overview of the surface wave methods is given in Section 2. Field and data reduction procedures are discussed in Sections 3 and 4, respectively. Data modeling is presented in Section 5 and interpretation and results are presented in Section 6. References and our professional certification are presented in Sections 7 and 8, respectively.



Active Surface Wave Array (MASW)
Passive Surface Wave Array (Triangle)

NOTES:
1. Coordinate System: California State Plane, NAD83, Zone V (0405), US Survey Feet
2. Base map source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

GEOVision geophysical services

Date:	9/1/2020
GV Project:	20277
Developed by:	C Martinez
Drawn by:	T Rodriguez
Approved by:	A Martin
File Name:	20277-1.MXD

FIGURE 1
SITE MAP

SITE LOCATED AT
1950-1960 E GRAND AVENUE
EL SEGUNDO, CALIFORNIA

PREPARED FOR
WOOD ENVIRONMENT
& INFRASTRUCTURE SOLUTIONS, INC.

2 OVERVIEW OF SURFACE WAVE TECHNIQUES

2.1 Introduction

Active- and passive-source (ambient vibration) surface wave techniques are routinely utilized for site characterization. Active surface wave techniques include the spectral analysis of surface waves (SASW) and multi-channel array surface wave (MASW) methods. Passive surface wave techniques include the horizontal over vertical spectral ratio (HVSR) technique and the array and refraction microtremor methods.

The basis of surface wave methods is the dispersive characteristic of Rayleigh and Love waves when propagating in a layered medium. Surface waves of different wavelengths (λ) or frequencies (f) sample different depth. As a result of the variance in the shear stiffness of the distinct layers, waves with different wavelengths propagate at different phase velocities; hence, dispersion. A surface wave dispersion curve is the variation of V_R or V_L with λ or f. The Rayleigh wave phase velocity (V_R) depends primarily on the material properties (V_S, mass density, and Poisson's ratio or compression wave velocity) over a depth of approximately one wavelength. The Love wave phase velocity (V_L) depends primarily on V_S and mass density. Rayleigh and Love wave propagation are also affected by damping or seismic quality factor (Q). Rayleigh wave techniques are utilized to measure vertically polarized S-waves (S_V-wave); whereas, Love wave techniques are utilized to measure horizontally polarized S-waves (S_H-wave).

2.2 Surface Wave Techniques

The MASW and array microtremor techniques were utilized during this investigation and are discussed below.

2.2.1 MASW Technique

A description of the MASW method is given by Park, 1999a and 1999b and Foti, 2000. Ground motions are typically recorded by 24, or more, geophones typically spaced 1 to 3 m apart along a linear array and connected to a seismograph. Energy sources for shallow investigations include various sized hammers and vehicle mounted weight drops. When applying the MASW technique to develop a one-dimensional (1-D) V_S model, it is preferable to use multiple-source offsets from both ends of the array. The most commonly applied MASW technique is the Rayleigh-wave based MASW method, which we refer to as MAS_RW to distinguish from Love-wave based MASW (MAS_LW). MAS_RW and MAS_LW acquisition can easily be combined with P- and S-wave seismic refraction acquisition, respectively. MAS_RW data are generally recorded using a vertical source and vertical geophone but may also be recorded using a horizontal geophone with radial (in-line) orientation. MAS_LW data are recorded using transversely orientated horizontal source and transverse horizontal geophone.

A wavefield transform is applied to the time-history data to convert the seismic record from time-offset space to frequency-wavenumber (f-k) space in which the fundamental or higher surface-wave modes can be easily identified as energy maxima and picked. Frequency and/or wavenumber can easily be mapped to phase velocity, slowness, or wavelength using the following properties: $k = 2\pi/\lambda$, $\lambda = v/f$. Common wave-field transforms include: the f-k transform (a 2D fast Fourier transform), slant-stack transform (also referred to as intercept-

slowness or τ-p transform and equivalent to linear Radon transform), frequency domain beamformer, and phase-shift transform. The minimum wavelength that can be recovered from MASW data set without spatial aliasing is equal to the minimum receiver spacing. Occasionally, SASW analysis procedures are used to extract surface wave dispersion data, from fixed receiver pairs, at smaller wavelengths than can be recovered by wavefield transformation. Construction of a dispersion curve over the wide frequency/wavelength range necessary to develop a robust V_S model while also limiting the maximum wavelength based on an established near-field criterion (e.g. Yoon and Rix, 2009; Li and Rosenblad, 2011), generally requires multiple source offsets.

Although the clear majority of MASW surveys record Rayleigh waves, it has been shown that Love wave techniques can be more effective in some environments, particularly shallow rock sites and sites with a highly attenuative, low velocity surface layer (Xia, et al., 2012; **GEO***Vision*, 2012; Yong, et al., 2013; Martin, et al., 2014). Rayleigh wave techniques, however, are generally more effective at sites where velocity gradually increases with depth because larger energy sources are readily available for the generation of Rayleigh waves. Rayleigh wave techniques are also more applicable to sites with high velocity layers and/or velocity inversions because the presence of such structures is more apparent in the Rayleigh wave dispersion curves than in Love wave dispersion curves. Rayleigh wave techniques are preferable at sites with a high velocity surface layer because Love waves do not theoretically exist in such environments. Occasionally, the horizontal radial component of a Rayleigh wave may yield higher quality dispersion data than the vertical component because different modes of propagation may have more energy in one component than the other. Recording both the vertical and horizontal components of the Rayleigh wave is particularly useful at sites with complex modes of propagation or when attempting to recover multiple Rayleigh wave modes for multi-mode modeling as demonstrated in Dal Moro, et al, 2015. Joint inversion of Rayleigh and Love wave data may yield more accurate V_S models and also offer a means to investigate anisotropy, where S_V- and S_H-wave velocity are not equal, as shown in Dal Moro and Ferigo, 2011.

2.2.2 Array Microtremor Technique

A detailed discussion of the array microtremor method can be found in Okada, 2003. Unlike active source techniques which use an active energy source (i.e. hammer), the array microtremor technique (also referred to as passive surface wave or array ambient vibration method) records background noise (ambient vibrations) emanating from ocean wave activity, wind noise, traffic, industrial activity, construction, etc. The technique uses 4, or more, receivers aligned in a 2-dimensional array. Triangle, circle, semi-circle, and "L" shaped arrays are commonly used, although any 2-dimensional arrangement of receivers can be used. For investigations of the upper 100 m, receivers typically consist of 1 to 4.5 Hz geophones. For deeper investigations, 5 to 120 s seismometers are generally utilized. The nested triangle array, which consists of several embedded equilateral triangles, is popular as it provides accurate dispersion curves with a relatively small number of geophones. The "L" array is useful at sites located at the corner of intersecting streets. The maximum receiver separation in an array should be at a minimum equal to the desired depth of investigation. Typically, 15 to 60 minutes of ambient vibration data is recorded depending on the size of the array, desired depth of investigation, and noise conditions. Investigations to depths on the order of 1 km may require that ambient vibrations are recorded for a much longer duration. The surface wave dispersion curve is typically estimated from array microtremor data using various f-k methods such as beamforming (Lacoss, et al., 1969), and

maximum-likelihood (Capon, 1969), and the spatial-autocorrelation (SPAC) method. The beam-forming and maximum-likelihood methods are generally referred to as the frequency wavenumber (FK) and high-resolution frequency wavenumber (HRFK or HFK) methods. The SPAC method was originally based on work by Aki, 1957 and has since been extended and modified (Ling and Okada, 1993 and Ohori *et al*., 2002) to permit the use of noncircular arrays, and is now collectively referred to as extended spatial autocorrelation (ESPAC or ESAC). Further modifications to the SPAC method permit the use of irregular or random arrays (Bettig *et al*., 2001). Although it is common to apply SPAC methods to obtain a surface wave dispersion curve for modeling, other approaches involve direct modeling of the coherency data, also referred to as SPAC coefficients (Asten, 2006 and Asten, *et al*., 2015). The beam-forming and maximum-likelihood methods are generally referred to as the frequency wavenumber (FK) and high-resolution frequency wavenumber (HRFK or HFK) methods, respectively. More recently, a Rayleigh wave three-component beamforming method (RTBF) has been developed (Wathelet, et al., 2018) and appears to offer significant resolution enhancements over other methods.

FK, HRFK and RTBF methods are generally expected to perform better when ambient vibration sources are not azimuthally well-distributed (e.g. rural area where the primary noise source is a large industrial facility). SPAC methods are expected to perform better when noise sources are azimuthally well-distributed (e.g. in a large urbanized area).

The minimum wavelength surface wave that can be extracted from an array microtremor dataset acquired utilizing a symmetric array is typically set equal to the minimum receiver spacing. The maximum wavelength is often set equal to twice the maximum receiver separation for SPAC analysis and the maximum receiver spacing for FK analysis.

2.3 Surface Wave Dispersion Curve Modeling

The dispersion curves generated from the active and passive surface wave soundings are generally combined and modeled using iterative forward and inverse modeling routines. The final model profile is assumed to represent actual site conditions. The theoretical model used to interpret the dispersion curve assumes horizontally layered, laterally invariant, homogeneous-isotropic material. Although these conditions are seldom strictly met at a site, the results of active and/or passive surface wave testing provide a good "global" estimate of the material properties along the array. The results may be more representative of the site than a borehole "point" estimate.

The surface wave forward problem is typically solved using the Thomson-Haskell transfer-matrix (Thomson, 1950; Haskell, 1953) later modified by Dunkin (1965) and Knopoff (1964), dynamic stiffness matrix (Kausel and Roësset, 1981), or reflection and transmission coefficient (Kennett, 1974) methods. All of these methods can determine fundamental- and higher-mode phase velocities, which correspond to plane waves in 2-D space. The transfer-matrix method is often used in MASW and passive surface-wave software packages, whereas the dynamic stiffness matrix is utilized in many SASW software packages. MAS_RW and/or passive surface-wave modeling may involve modeling of the fundamental mode, some form of effective mode, or multiple individual modes (multi-mode). As outlined in Roësset et al. (1991), several options exist for forward modeling of Rayleigh wave SASW data. One formulation takes into account only fundamental mode plane Rayleigh-wave motion (called the 2-D solution), whereas another includes all stress waves (e.g. body, fundamental, and higher mode surface waves) and

incorporates a generalized receiver geometry (3-D global solution) or actual receiver geometry (3-D array solution).

The fundamental mode assumption is generally applicable to modeling Rayleigh-wave dispersion data collected at normally dispersive sites, providing there are not abrupt increases in velocity or steep velocity gradients. Effective-mode or multi-mode approaches are often required for irregularly dispersive sites and sites with steep velocity gradients at shallow depth. If active and passive surface wave data are combined or $MASW$ data are combined from multiple seismic records with different source offsets and receiver gathers, then effective-mode computations are limited to algorithms that assume far-field plane Rayleigh wave propagation. Local search (e.g. linearized matrix inversion methods) or global search methods (e.g., Monte Carlo approaches such as simulated annealing, generic algorithms and neighborhood algorithm) are typically used to solve the inverse problem.

The maximum wavelength (λ_{max}) recovered from a surface wave data set is typically used to estimate depth of investigation although a sensitivity analysis of the V_S models would be a more robust means to estimate depth of investigation. For normally dispersive velocity profiles with a gradual increase in V_S with depth, the maximum depth of investigation is on the order of $\lambda_{max}/2$ for both Rayleigh and Love wave dispersion data. For velocity profiles with an abrupt increase in V_S at depth, the maximum depth of investigation is on the order of $\lambda_{max}/3$ for Rayleigh wave dispersion data but less than $\lambda_{max}/3$ for Love wave dispersion data. The depth of investigation can be highly variable for sites with complex velocity structure (e.g. high velocity layers).

As with all surface geophysical methods, the inversion of surface wave dispersion data does not yield a unique V_S model and multiple possible solutions may equally fit the experimental data. Based on experience at other sites, the shear wave velocity models (V_S and layer thicknesses) determined by surface wave testing are within 20% of the velocities and layer thicknesses that would be determined by other seismic methods (Brown, 1998). The average velocity of the upper 30 m, however, is much more accurate, often to better than 5%, because it is not sensitive to the layering in the model. V_{S30} does not appear to suffer from the non-uniqueness inherent in V_S models derived from surface wave dispersion curves (Martin et al., 2006, Comina et al., 2011). Therefore, V_{S30} is more accurately estimated from the inversion of surface wave dispersion data than the resulting V_S models.

It may not always be possible to develop a coherent, fundamental mode dispersion curve over sufficient frequency range for modeling due to dominant higher modes with the higher modes not clearly identifiable for multi-mode modeling. It may, however, be possible to identify the Rayleigh wave phase velocity of the fundamental mode at 40 m wavelength (V_{R40}) in which case V_{S30} can at least be estimated using the Brown et al., 2000 relationship:

$$V_{S30} = 1.045V_{R40}$$

This relationship was established based on a statistical analysis of a large number of surface wave data sets from sites with control by velocities measured in nearby boreholes and has been further evaluated by Martin and Diehl, 2004, and Albarello and Gargani, 2010. Further investigation of this approach has revealed that V_{S30} is generally between V_{R40} and V_{R45} with V_{R40} often being most appropriate for shallow groundwater sites and V_{R45} for deep ground water sites. A detailed study of such an approach for Love wave dispersion data has not been

conducted; however, preliminary analysis demonstrates that V_{S30} is generally between V_{L50} and V_{L55}. Although we do not recommend that these empirical V_{S30} estimates replace modeling of surface wave dispersion data, they do offer a means of cost effectively evaluating V_{S30} over a large area. V_{R40} or V_{L55} can also be used to quantify error in V_{S30} by evaluating the scatter in the dispersion data at these wavelengths.

3 FIELD PROCEDURES

The active- and passive-source surface wave sounding locations at the site were established by **GEO***Vision* personnel and are shown in Figure 1. Two types of surface wave data were acquired at the site: an active-source surface wave array to characterize near-surface velocity structure and a passive-source surface wave array to characterize deeper velocity structure. Passive surface wave data were acquired along Array 1 using the array microtremor method. Active surface wave data were acquired along Array 2 using the MASW technique.

The passive surface wave equipment consisted of two Geometrics Geode signal enhancement seismographs, 4.5 Hz vertical geophones, and seismic cables. The triangle-shaped Array 1 consisted of 43, 4.5 Hz geophones spaced 6 – 7.5 m (19.7 – 23 ft) apart with the outer dimensions of the array being 60 m (197 ft).

Ambient noise measurements were made along the passive array for 60 minutes with a 2 ms sample rate (120, 30 second records). All passive surface wave data were stored on a laptop computer for later processing. The field geometry and associated files names were documented in field notes.

MASW equipment used during this investigation consisted of two Geometrics Geode signal enhancement seismographs, 4.5 Hz vertical geophones, seismic cable, a 4 lb. hammer, a 12 and 20 lb. sledgehammers, and a 240 lb. accelerated weight drop (AWD). MASW data were acquired along a linear array of 48 geophones spaced 1.5 m (4.9 ft) apart. Shot points were located between 1.5 and 20 m (4.9 and 65.6 ft) from the end geophone locations and at 12 m (39.4 ft) intervals in the interior of the array. The 4 lb. hammer and/or 12 lb. sledgehammer were used for the near offset source locations and interior source locations. The AWD and 20 lb. sledgehammer were used for source locations offset from the ends of the array. Data from the transient impacts (hammers) were generally averaged 6 – 8 times to improve the signal-to-noise ratio. All field data were saved to hard disk and documented on field data acquisition forms.

4 DATA REDUCTION

The MASW data were reduced using the software Seismic Pro Surface V9.0 developed by Geogiga and multiple in-house scripts for various data extraction and formatting tasks, with all data reduction documented in a Microsoft Excel spreadsheet.

The following steps were used for data reduction:

- Input seismic records to be used for analysis into software package.
- Check and correct source and receiver geometry as necessary.
- Select offset range used for analysis (multiple offset ranges utilized for each seismic record as discussed below) and document in spreadsheet.
- Apply phase shift transform to seismic record to convert the data from time – offset to frequency – phase velocity space.
- Identify, pick, save, and document dispersion curve.
- Change the receiver offset range and repeat process.
- Repeat process for all seismic records.
- Use in-house script to apply near-field criteria with maximum wavelength set equal to 1.0 times the source to midpoint of receiver array distance.
- Use in-house script to merge multiple dispersion curves extracted from the MASW data collected along each seismic line for a specific source type (different source locations, different receiver offset ranges, etc.).
- Edit dispersion data, as necessary (e.g. delete poor quality curves and outliers).
- Calculate a representative dispersion curve at equal log-frequency or log-wavelength spacing for the MASW dispersion data using a moving average, polynomial curve fitting routine.

This unique data reduction strategy, which can involve combination of over 100 dispersion curves for a 1D sounding, is designed for characterizing sites with complex velocity structure that do not yield surface wave dispersion data over a wide frequency range from a single source type or source location. The data reduction strategy ensures that the dispersion curve selected for modeling is representative of average conditions beneath the array and spans as broad a frequency/wavelength range as possible while considering near field effects.

The array microtremor data were reduced using the Seisimager software package developed by Oyo Corporation/Geometrics, Inc. and the following steps:

The processing sequence for implementation of the ESAC method in the SeisImager software package is as follows:

- Input all seismic records for a dataset into software.
- Load receiver geometry (x and y positions) for each channel in seismic record.
- Calculate the SPAC coefficients for each seismic record and average.
- Optionally, select a subset of receiver offset ranges for analysis (e.g. only select receiver pairs with multiple azimuths).
- For each frequency calculate the RMS error between the SPAC coefficients and a Bessel function of the first kind and order zero over a user defined phase velocity range and velocity step.

- Plot an image of RMS error as a function for frequency (f) and phase velocity (v).
- Identify and pick the dispersion curve as the continuous trend on the f-v image with the lowest RMS error.
- Repeat the process for all arrays and time blocks.
- Use an in-house script to convert dispersion curves to appropriate format for editing.
- Edit dispersion data, as necessary, and use in-house script to combine all dispersion data after setting maximum wavelength to about 2 times the maximum receiver spacing (equivalent to $k_{min}/2$ for a symmetrical array), or less.
- Calculate a representative dispersion curve for the passive dispersion data from each array using a moving average polynomial curve fitting routine.

The representative dispersion curves from the active and passive surface wave data were combined and the moving average polynomial curve fitting routine in WinSASW V3 was used to generate a composite representative dispersion curve for modeling. During this process the active and passive surface wave dispersion data were given equal weights. An equal logarithm wavelength sample rate was used for the representative dispersion curve to reflect the gradual loss in model resolution with depth.

5 DATA MODELING

Surface wave data were modeled using the effective mode routine in WinSASW V3 software package. During this process an initial velocity model was generated based on general characteristics of the dispersion curve and the inverse modeling routine utilized to adjust the layer V_S until an acceptable agreement with the observed data was obtained. Layer thicknesses were adjusted, and the inversion process repeated until a V_S model was developed with low RMS error between the observed and calculated dispersion curves. In many cases, once an acceptable V_S model is developed, layer thicknesses are again adjusted, and the inversion process repeated to develop an ensemble of V_S models with similar RMS error to quantify non-uniqueness. At this site, S-wave velocity appears to increase gradually with depth, and it was not considered necessary to develop multiple V_S models. Data inputs into the modeling software include layer thickness, S-wave velocity, P-wave velocity or Poisson's ratio, and mass density. P-wave velocity and mass density only have a very small influence (i.e. less than 10%) on the S-wave velocity model generated from a surface wave dispersion curve. However, realistic assumptions for P-wave velocity, which is significantly impacted by the location of the saturated zone, and mass density will slightly improve the accuracy of the S-wave velocity model.

Constant mass density values of 1.88 to 2.00 gm/cm^3 (117 to 125 lb/ft^3) were used in the velocity profiles for subsurface soils/rock depending on P- and S-wave velocity. Within the normal range encountered in geotechnical engineering, variation in mass density has a negligible (±2%) effect on the estimated V_S from surface wave dispersion data. During modeling of Rayleigh wave dispersion data, the compression wave velocity, V_P, for unsaturated sediments was estimated using a Poisson's ratio, v, of 0.3 and the relationship:

$$V_P = V_S \left[(2(1-v))/(1-2v)\right]^{0.5}$$

Poisson's ratio has a larger effect than density on the estimated V_S from Rayleigh wave dispersion data. Achenbach (1973) provides approximate relationship between Rayleigh wave velocity (V_R), V_S and v:

$$V_R = V_S \left[(0.862 + 1.14\, v)/(1+ v)\right]$$

Using this relationship, it can be shown that V_S derived from V_R only varies by about 10% over possible 0 to 0.5 range for Poisson's ratio where:

$V_S = 1.16V_R$ for $v = 0$
$V_S = 1.05V_R$ for $v = 0.5$

The realistic range of Poisson's ratio for typical unsaturated sediments is about 0.25 to 0.35. Over this range, V_S derived from modeling of Rayleigh wave dispersion data will vary by about 5%. To reduce error associated with high Poisson ratio of saturated sediments, the saturated zone was constrained at a depth of 32 m (105 ft) based on inspection of seismic refraction first-arrival data and a possible water table seismic reflector.

6 INTERPRETATION AND RESULTS

The fit of the calculated fundamental mode dispersion curve to the experimental data collected along Arrays 1 and 2 and the modeled V_S profile for the surface wave sounding are presented as Figure 2. The resolution decreases gradually with depth due to the loss of sensitivity of the dispersion curve to changes in V_S at greater depth. The V_S profile used to match the field data is provided in tabular form in both metric and Imperial units as Tables 1 and 2, respectively.

The V_S models were developed from the surface wave dispersion data derived from array microtremor and MASW data acquired along Arrays 1 and 2, respectively. The Rayleigh wave phase velocities from the passive surface wave array are in good agreement with those from the MASW data in the region where they connect. Scatter in dispersion data from the two methods are expected to be associated with lateral velocity variability beneath the arrays.

The estimated depth of investigation for the combined active and passive surface wave sounding is about 60 m (197 ft), about 40% of the maximum Rayleigh wave wavelength. The V_S model indicates that V_S gradually increases with depth from about 240 m/s (787 ft/s) immediately below the surface to about 465 m/s (1,525 ft/s) at a depth of about 59 m (194 ft).

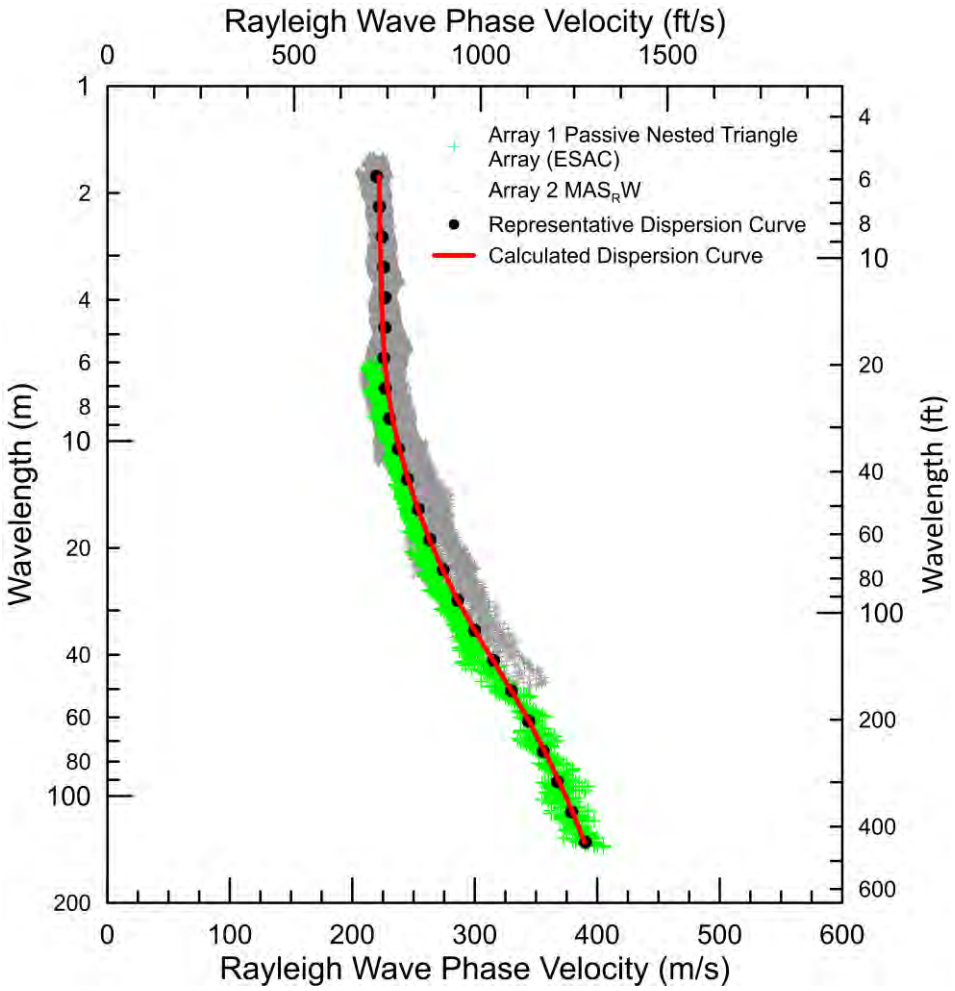
The average shear wave velocity to a depth of 30 m (V_{S30}) is 333 m/s for the V_S model. The average shear wave velocity to a depth of 100 ft (V_{S100ft}) is 1,095 ft/s for the V_S model. Therefore, according to the NEHRP provisions of the Uniform Building Code, the area in the vicinity of Arrays 1 and 2 is classified as Site Class D, stiff soil.

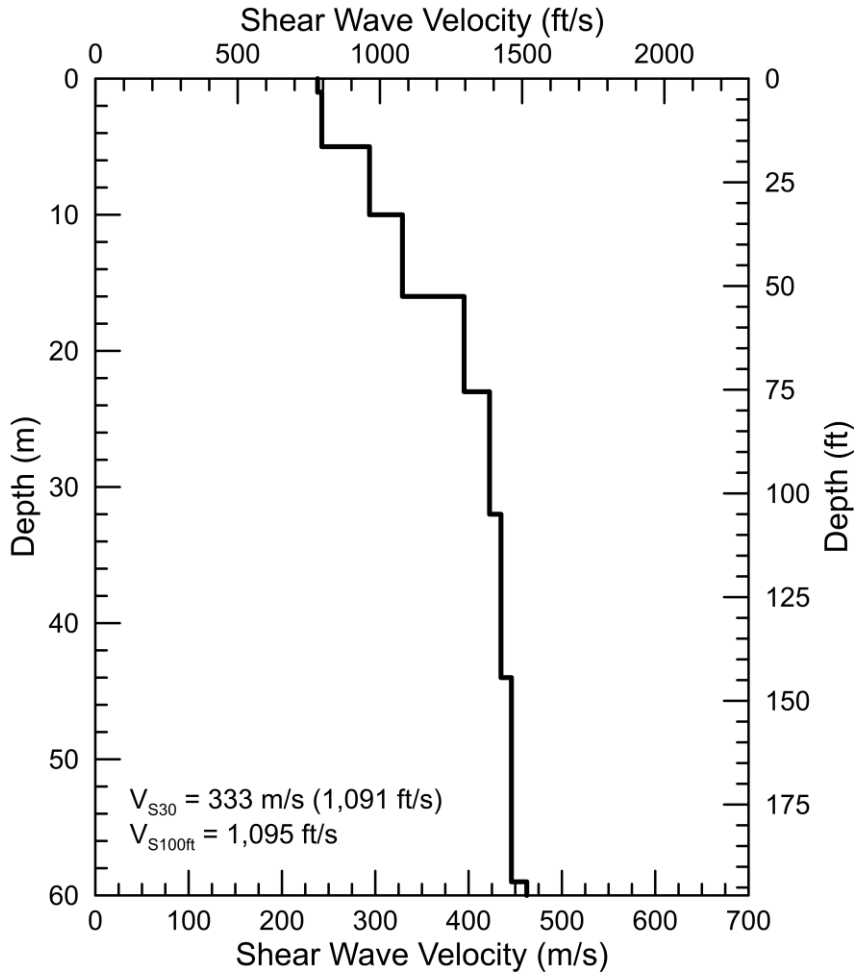
Table 1 Arrays 1 and 2 V_S Model (Metric Units)

Depth to Top of Layer (m)	Layer Thickness (m)	S-Wave Velocity (m/s)	Inferred P-Wave Velocity (m/s)	Inferred Poisson's Ratio	Assumed Density (g/cm^3)
0	1	238	446	0.300	1.88
1	4	243	454	0.300	1.88
5	5	294	550	0.300	1.93
10	6	329	616	0.300	1.94
16	7	395	739	0.300	1.98
23	9	422	790	0.300	1.99
32	12	435	1550	0.457	1.99
44	15	446	1600	0.458	2.00
59	Half Space	462	1650	0.457	2.00

Table 2 Arrays 1 and 2 Vs Model (Imperial Units)

Depth to Top of Layer (ft)	Layer Thickness (ft)	S-Wave Velocity (ft/s)	Inferred P-Wave Velocity (ft/s)	Inferred Poisson's Ratio	Assumed Density (lb./ft^3)
0.0	3.3	781	1462	0.300	117
3.3	13.1	796	1490	0.300	117
16.4	16.4	964	1803	0.300	120
32.8	19.7	1080	2020	0.300	121
52.5	23.0	1297	2426	0.300	124
75.5	29.5	1386	2593	0.300	124
105.0	39.4	1426	5085	0.457	124
144.4	49.2	1463	5249	0.458	125
193.6	Half Space	1517	5413	0.457	125





Arrays 1 & 2 - Field, representative, and calculated surface wave dispersion data (left) and associated V_s model (right)

GEOVision geophysical services	FIGURE 2 ARRAYS 1 & 2: SURFACE WAVE MODEL
Project No.: 20277	1950 E. GRAND AVENUE EL SEGUNDO, CALIFORNIA
Date: September 10, 2020	
Drawn By: C. Martinez	
Approved By: A. Martin	PREPARED FOR WOOD PLC
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8 CERTIFICATION

All geophysical data, analysis, interpretations, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a **GEO*Vision*** California Professional Geophysicist.

Prepared by,

09/10/2020

Christopher Martinez — Date
Staff Geophysicist
GEO*Vision* Geophysical Services

Reviewed and approved by,

09/10/2020

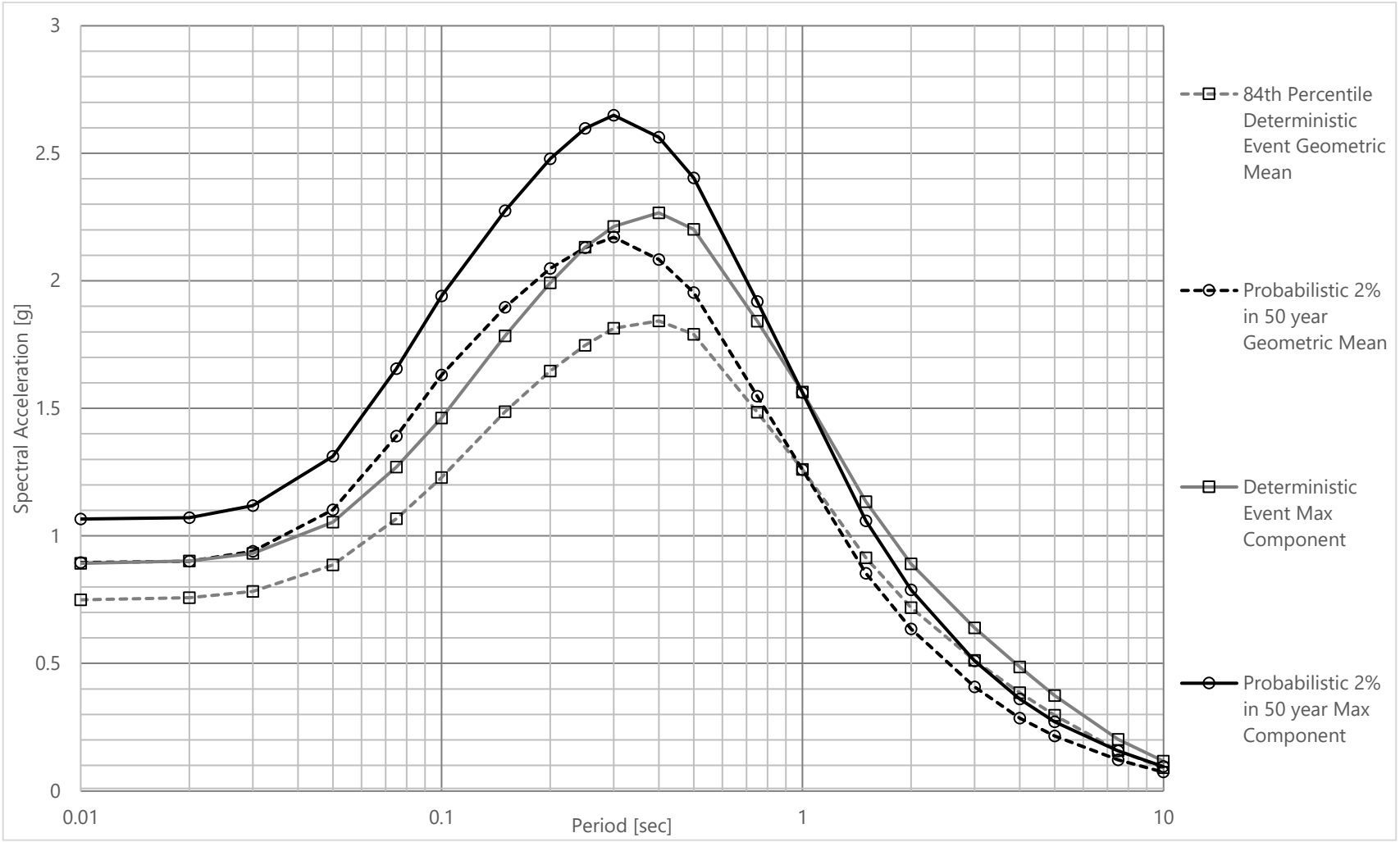
Antony J. Martin — Date
California Professional Geophysicist, P. Gp.
GEO*Vision* Geophysical Services

* This geophysical investigation was conducted under the supervision of a California Professional Geophysicist using industry standard methods and equipment. A high degree of professionalism was maintained during all aspects of the project from the field investigation and data acquisition, through data processing interpretation and reporting. All original field data files, field notes and observations, and other pertinent information are maintained in the project files and are available for the client to review for a period of at least one year.

  A professional geophysicist's certification of interpreted geophysical conditions comprises a declaration of his/her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations or ordinances.

Appendix C

Ground Motion Plots



All spectra 5% of Critical Structural Damping

By: KSH 9/10/2020
Checked: EJJ 9/10/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California Project No. 4953-20-0331	wood.	Probabilistic and Deterministic Seismic Hazard Analyses' Response Spectra Figure C-1

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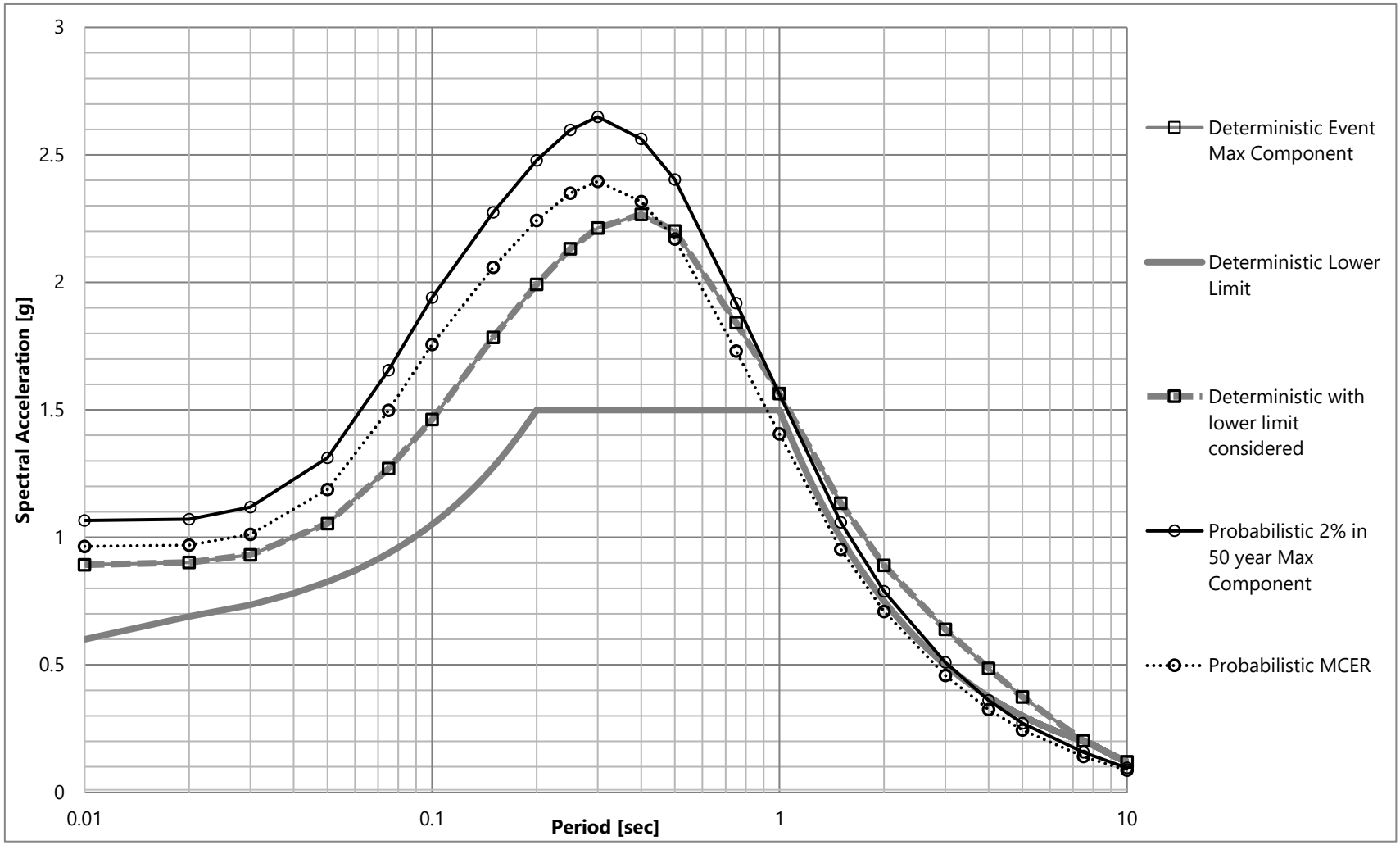

All spectra 5% of Critical Structural Damping

By: KSH 9/10/2020
Checked: EJJ 9/10/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California Project No. 4953-20-0331	wood.	Probabilistic and Deterministic MCER Response Spectra Figure C-2

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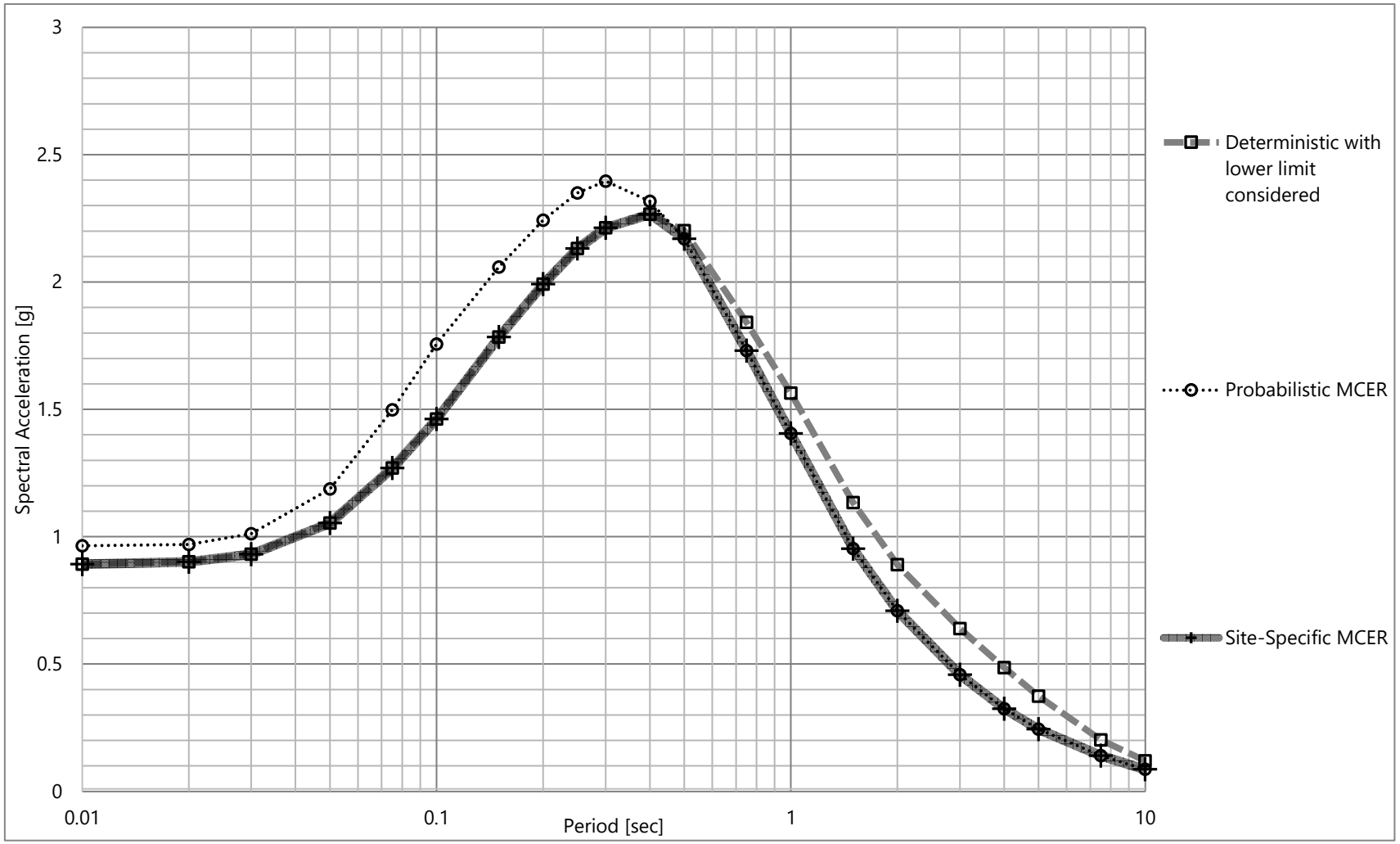

All spectra 5% of Critical Structural Damping

By: KSH 9/17/2020
Checked: EJJ 9/17/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California Project No. 4953-20-0331	wood.	Probabilistic, Deterministic, and Site-Specific MCER Response Spectra Figure C-3

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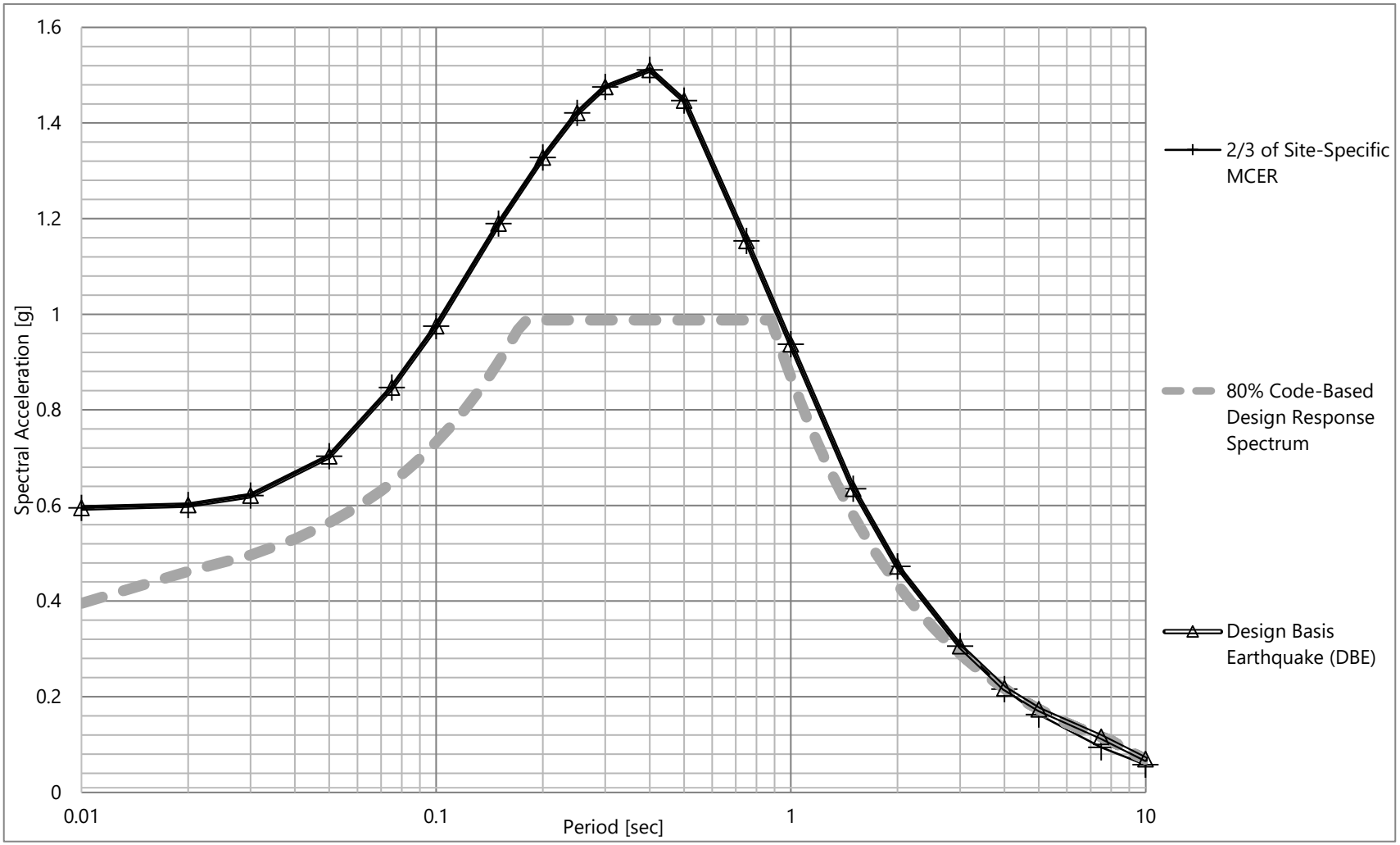

All spectra 5% of Critical Structural Damping

By: KSH 9/17/2020
Checked: EJJ 9/17/2020

Proposed Development 1950 and 1960 Grand Avenue El Segundo, California Project No. 4953-20-0331	wood.	Development of Design Basis Earthquake Response Spectra Figure C-4

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Michael Baker
INTERNATIONAL

Appendix F
Project Preliminary Low Impact Development (LID) Report

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WARE MALCOMB
architecture | planning | interiors | branding | civil

PRELIMINARY LOW IMPACT DEVELOPEMNT (LID) REPORT

FOR:
1950 East Grand Avenue
El Segundo, CA 90245

Prepared for:
Los Angeles County
Department of Public Works

Project No: LAX20-0012-00

Prepared by: _____ 06/16/2021
Signature Date

Engineer: Keith Malloy
Registration No. 84456

Ware Malcomb
915 Wilshire Blvd, Suite 2150
Los Angeles, CA 90017
Phone: (310) 481-0400

Prepare Date: June 16th, 2021
Revised:

Contents

Project No: LAX20-0012-00 1
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i. Background 3
ii. Existing Drainage Condition 3
iii. Proposed Drainage Condition 3
II. Low Impact Development 4
III. Conclusion 4
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Appendix B – LID Exhibit 6
Appendix C – Isohyet Map, Stormwater Calculations 7
Appendix D – Dry Well Draft 8
Appendix E – Geotechnical Report Excerpts 9

I. Project Description

i. Background

The purpose of this preliminary Low Impact Development (LID) study is to provide an analysis of the required LID treatment volumes, to determine methods for providing the required treatment, and to ensure that the site design properly implements the determined treatment methods.

The project is located at 1950 East Grand Avenue, El Segundo, CA within Los Angeles County. The total project area is 5.4 +/- acres and consists of two essentially equal parcels (2.69 acres each) that bisect the site, with 1950 East Grand Avenue as the western property and 1960 East Grand Avenue as the eastern property.

The area is bounded by East Grand Avenue to the North and private lots to the South, East, and West. 1950 East Grand Avenue contains an existing parking structure (approximately 23,750 SF footprint) and 1960 East Grand Avenue contains an existing office building (approximately 16,900 SF footprint). Both properties contain landscaping, hardscape areas, and access roads.

The proposed project will protect-in-place the existing office building and parking structure. The proposed improvements include a 98,346 SF office building (30,683 SF footprint) within the 1950 East Grand Avenue property and a 89,024 SF parking garage (26,240 SF footprint) within the 1960 East Grand Avenue property. Each property will contain new access roadways, new hardscape areas, and new landscaping features.

See *Appendix A* for the vicinity map for the project.

See *Appendix B* for LID exhibit showing the overall site as well as the division of the two properties.

ii. Existing Drainage Condition

Although the site is already developed, there does not currently exist any LID treatment devices on either property.

The existing drainage for the site is collected by a series of onsite private catch basins. There are two separate onsite storm drain systems, and although the site contains two separate properties, the existing storm drain systems are not isolated to one site or the other, they both collect runoff from each property.

Each storm drain system has a connection point to the public storm drain system within East Grand Avenue. One point of connection is located in the western driveway within 1950 East Grand Avenue and ties into a public manhole located on the approximate centerline of East Grand Avenue. The second point of connection is located just west of the eastern driveway within 1960 East Grand Avenue and ties into the back of a catch basin located along the Southern right-of-way boundary of East Grand Avenue.

iii. Proposed Drainage Condition

For the proposed condition, the overall drainage pattern will remain unchanged with a series of onsite catch basins collecting the flows. Most of the existing onsite inlets and storm drain pipes will be removed since it will not allow proper drainage for the proposed project. For the proposed project, the storm drain will be broken up into two systems, one for each property. Each proposed storm drain system will also have a dry well at the down stream end for water quality treatment prior to runoff entering the public storm drain system. The existing points of connection will be reused.

II. Low Impact Development

County of Los Angeles Department of Public Works Low Impact Design Standards Manual (February 2014) will be used to design the LID system for the site. Per the manual, the project is required to treat the 85th percentile storm event for the entire site since there is over 5,000 sf of impervious area being added and more than 50% of the site is being redeveloped.

Per the geotechnical report, it is anticipated that infiltration will be viable for this site. The geotechnical engineer reached this conclusion by analyzing the existing soil types as well as knowledge of the adjacent property to the west formerly being occupied by a percolation/detention basin. Once the final geotechnical report has been completed and percolation tests have been performed, the final LID treatment method will be determined. If infiltration is not feasible, proprietary capture and reuse (depending on landscape needs) or biofiltration treatment methods will be implemented.

The Los Angeles County Hydrology Manual and the LA County HydroCalc software were used to calculate the required water quality volume. Per the software, 1950 East Grand Avenue is required to treat 6,650 CF of stormwater and 1960 East Grand Avenue is required to treat 6,665 CF of stormwater. Each site is required to have an LID treatment system sized to treat the respective site's volume. If infiltration is not feasible and biofiltration is required to be implemented, a 1.5x penalty will be applied to the total volume required to be treated.

See A*ppendix C* for stormwater treatment calculations.

See *Appendix D* for the dry well design draft.

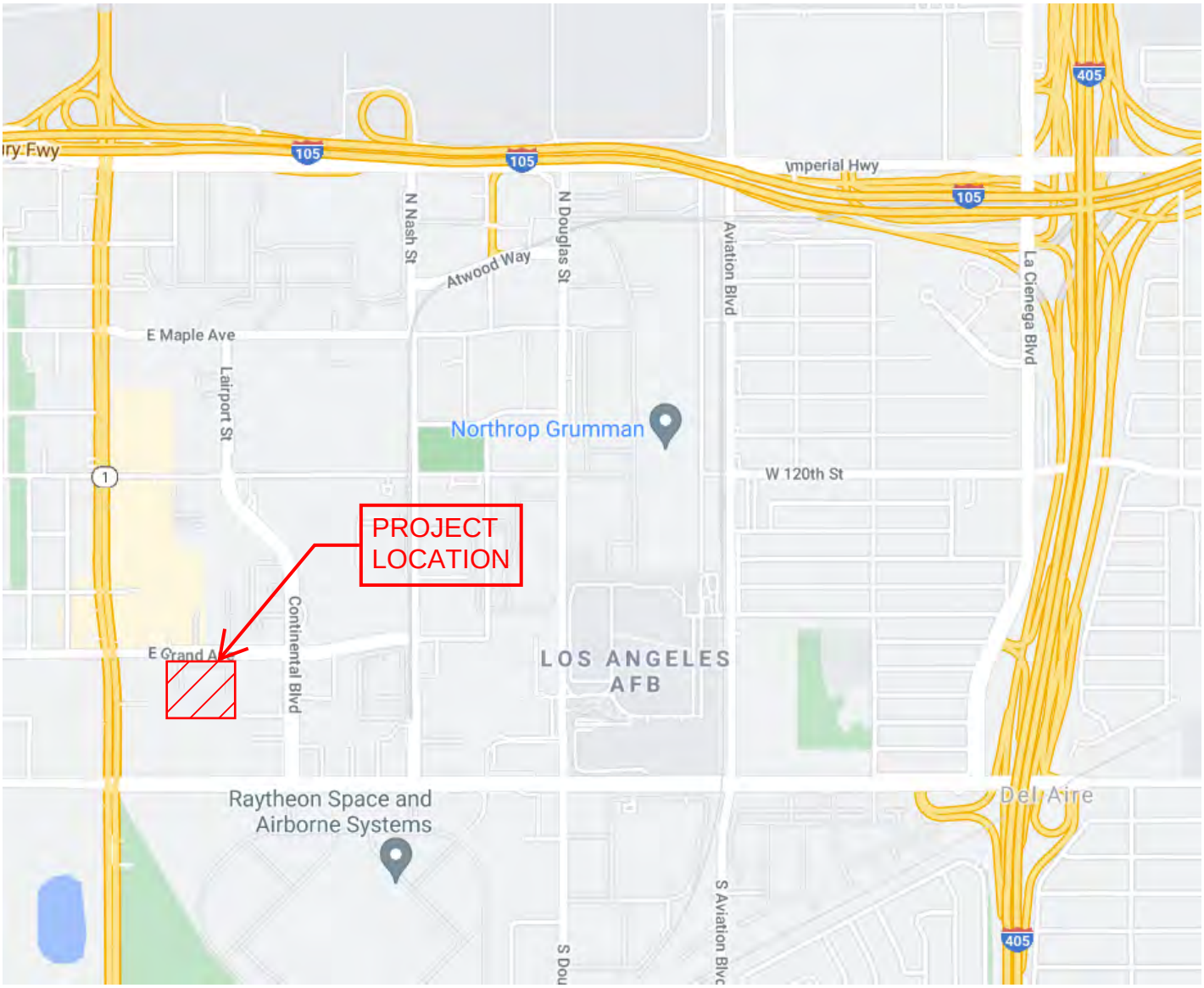
See *Appendix E* for excerpts from the geotechnical report.

III. Conclusion

Based on the LID study, stormwater treatment is required for the entire site since there is no current stormwater quality treatment methods on site, over 5,000 sf of impervious area is being added, and more than 50% the site is being redeveloped. Per the preliminary geotechnical report, infiltration is likely to be feasible on site. Based on these factors, dry wells will be used to treat the required stormwater treatment volumes onsite and all County LID requirements will be met.

Each property will be required to have its own standalone treatment system.

Appendix A – Vicinity Map



Appendix B – LID Exhibit

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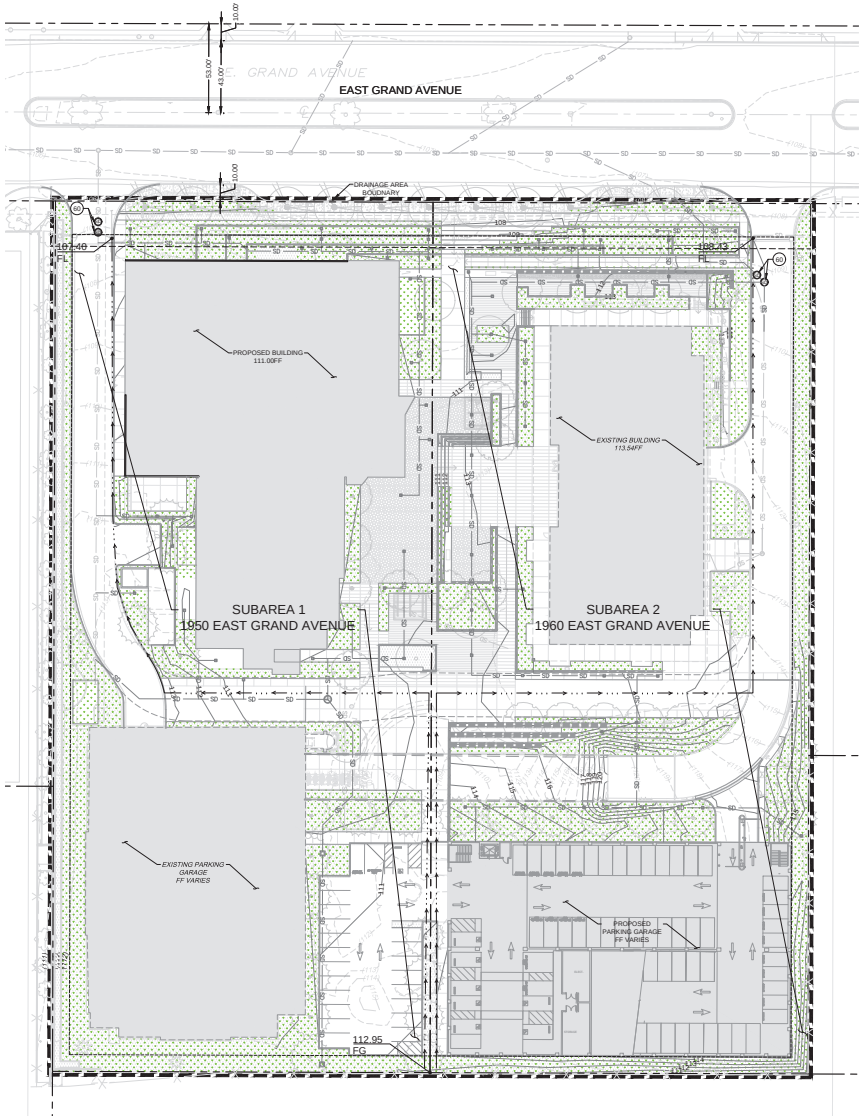

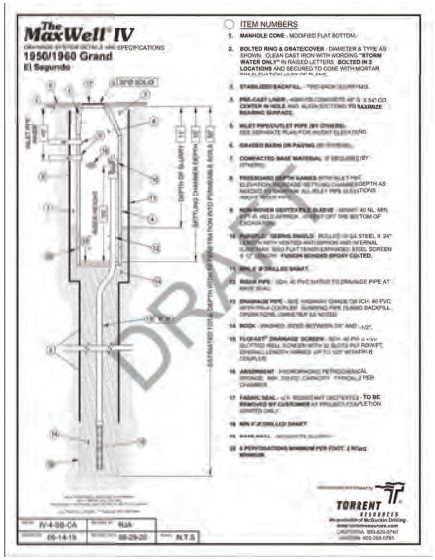

LEGEND:

- PROPERTY LINE/SUB AREA BOUNDARY
- HYDROLOGY BOUNDARY
- 5820 PROPOSED 5' CONTOUR
- 5821 PROPOSED 1' CONTOUR
- 5820 EXISTING 5' CONTOUR
- 5821 EXISTING 1' CONTOUR
- SD PROPOSED STORM LINE
- SD EXISTING STORM LINE
- FLOWPATH
- PROPOSED STORM INLET
- PROPOSED STORM DRAIN MANHOLE
- DW PROPOSED DRY WELL
- PERVIOUS AREA

CONSTRUCTION NOTES

#	DESCRIPTION
(P)	PROTECT ITEM IN PLACE

GRADING CONSTRUCTION NOTES

(DW)	INSTALL DRY WELL AND PRETREATMENT PER DETAIL HEREON

LID AREAS

	SUB AREA 1	SUB AREA 2
TOTAL AREA	2.69 AC	2.69 AC
PERVIOUS AREA	0.54 AC (20.2%)	0.53 AC (20.0%)
IMPERVIOUS AREA	2.15 AC (79.8%)	2.16 AC (80.0%)
FLOW PATH LENGTH	660 LF	685 LF
SLOPE	0.84%	0.65%
SOIL TYPE	10	10
85% RAINFALL DEPTH	0.93"	0.93"
REQUIRED VOLUME MITIGATED	6,650 CF	6,665 CF

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los angeles, ca 90017
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waremalcomb.com

FOR AND ON BEHALF OF WARE MALCOMB

1950 GRAND

LOW IMPACT DEVELOPMENT
100% SD

NO.	DATE	REMARKS
1	XX/XX/XX	XXXXXXXX
2	XX/XX/XX	XXXXXXXX
3	XX/XX/XX	XXXXXXXX
4	XX/XX/XX	XXXXXXXX
5	XX/XX/XX	XXXXXXXX
6	XX/XX/XX	XXXXXXXX

JOB NO.:	LAX20-0012
PA / PM:	LC
DRAWN BY:	KM
DATE:	10/21/2020
PLOT DATE:	

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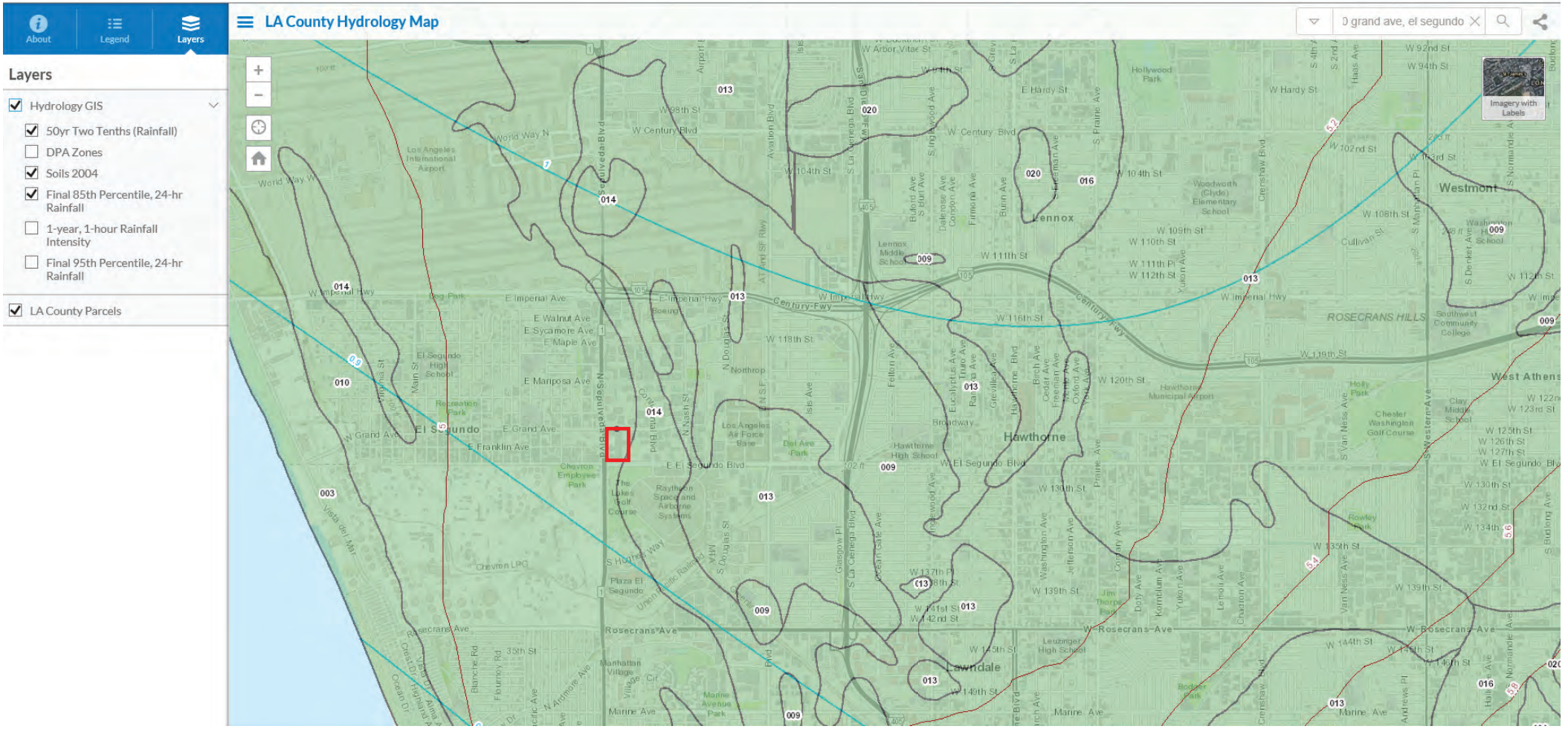
Sheet 5 of 6

LOW IMPACT DEVELOPMENT

Appendix C – Isohyet Map, Stormwater Calculations


About
Legend
Layers
LA County Hydrology Map
0 grand ave, el segundo
Layers
Hydrology GIS
50yr Two Tenths (Rainfall)
DPA Zones
Soils 2004
Final 85th Percentile, 24-hr Rainfall
1-year, 1-hour Rainfall Intensity
Final 95th Percentile, 24-hr Rainfall
LA County Parcels
Imagery with Labels
El Segundo
Hawthorne
Lennox
Lawndale
Westmont
ROSECRANS HILLS
West Athens
Rosecrans Ave
W Century Blvd
E Imperial Hwy
W Imperial Hwy
E El Segundo Blvd
W El Segundo Blvd
Marine Ave
Los Angeles International Airport
Hawthorne Municipal Airport
Los Angeles Air Force Base
Raytheon Space and Airborne Systems
Chevron Employee Park
The Lakes Golf Course
Diel Aire Park
Manhattan Village
Marine Avenue Park
Jim Thorpe Park
Rowley Park
Holly Park
Chester Washington Golf Course
Hawthorne High School
Leuzinger High School
Lennox Middle School
Woodworth (Clyde) Elementary School
Southwest Community College
Clay Middle School
El Segundo High School
Recreation Park
Bog Park
Bodger Park
Century Fwy
Union Pacific Railroad
Vista del Mar
Chevron LPG
Plaza El Segundo
Aviation Blvd
Sepulveda Blvd
Hawthorne Blvd
Crenshaw Blvd
Inglewood Ave
Prairie Ave
Yukon Ave
Van Ness Ave
Western Ave
Normandie Ave
Budlong Ave
Broadway
Northrop
Felton Ave
Eucalyptus Ave
Truro Ave
Grevillea Ave
Birch Ave
Cedar Ave
Freeman Ave
Oxford Ave
Isis Ave
Nash St
Douglas St
Main St
Maple Ave
Walnut Ave
Sycamore Ave
Mariposa Ave
Franklin Ave
Grand Ave
Glasgow Pl
Ocean Gate Ave
Washington Ave
Jefferson Ave
Condon Ave
Dolly Ave
Kornblum Ave
Lemoli Ave
Chanon Ave
Halldale Ave
Andrews Pl
Denker Ave
Manhattan Pl
Cullivan St
Haas Ave
Burin Ave
Firmona Ave
Dalerose Ave
Buford Ave
Duncan Ave
Freeman Ave
Van Ness Ave
Flournoy Rd
Blanche Rd
Crest Dr
Ocean Dr
Highland Ave
Pacific Ave
Ardmore Ave
Village Cir
Hughes Way
Plaza El Segundo
Rosecrans Ave
W 98th St
W 104th St
W 111th St
W 116th St
W 118th St
W 120th St
W 130th St
W 135th St
W 139th St
W 144th St
W 149th St
W Hardy St
E Hardy St
W 92nd St
W 94th St
W 102nd St
W 108th St
W 109th St
W 110th St
W 111th Pl
W 112th St
W 119th St
W 122nd St
W 123rd St
W 125th St
W 126th St
W 127th St
W 132nd St
W 134th St
W 136th St
W 137th Pl
W 138th St
W 141st St
W 142nd St
W 145th St
W 146th St
W Arbor Vitae St
W 96th St
W World Way N
W World Way W
E Walnut Ave
E Sycamore Ave
E Maple Ave
E Mariposa Ave
E Grand Ave
E Franklin Ave
N Douglas St
N Nash St
S La Cienega Blvd
S Sepulveda Blvd
S Inglewood Ave
S Prairie Ave
S Van Ness Ave
S Western Ave
S Normandie Ave
S Budlong Ave
S Denker Ave
S Manhattan Pl
S Haas Ave
S 2nd Ave
S 4th Ave
Imperial Hwy
Century Fwy
Rosecrans Ave
Marine Ave
Aviation Blvd
Sepulveda Blvd
Hawthorne Blvd
Crenshaw Blvd
Inglewood Ave
Prairie Ave
Yukon Ave
Van Ness Ave
Western Ave
Normandie Ave
Budlong Ave
Broadway
Northrop
Felton Ave
Eucalyptus Ave
Truro Ave
Grevillea Ave
Birch Ave
Cedar Ave
Freeman Ave
Oxford Ave
Isis Ave
Nash St
Douglas St
Main St
Maple Ave
Walnut Ave
Sycamore Ave
Mariposa Ave
Franklin Ave
Grand Ave
Glasgow Pl
Ocean Gate Ave
Washington Ave
Jefferson Ave
Condon Ave
Dolly Ave
Kornblum Ave
Lemoli Ave
Chanon Ave
Halldale Ave
Andrews Pl
Denker Ave
Manhattan Pl
Cullivan St
Haas Ave
Burin Ave
Firmona Ave
Dalerose Ave
Buford Ave
Duncan Ave
Freeman Ave
Van Ness Ave
Flournoy Rd
Blanche Rd
Crest Dr
Ocean Dr
Highland Ave
Pacific Ave
Ardmore Ave
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Plaza El Segundo
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W Hardy St
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W 110th St
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W 119th St
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W 136th St
W 137th Pl
W 138th St
W 141st St
W 142nd St
W 145th St
W 146th St
W Arbor Vitae St
W 96th St
W World Way N
W World Way W
E Walnut Ave
E Sycamore Ave
E Maple Ave
E Mariposa Ave
E Grand Ave
E Franklin Ave
N Douglas St
N Nash St
S La Cienega Blvd
S Sepulveda Blvd
S Inglewood Ave
S Prairie Ave
S Van Ness Ave
S Western Ave
S Normandie Ave
S Budlong Ave
S Denker Ave
S Manhattan Pl
S Haas Ave
S 2nd Ave
S 4th Ave
Imperial Hwy
Century Fwy
Rosecrans Ave
Marine Ave

Peak Flow Hydrologic Analysis

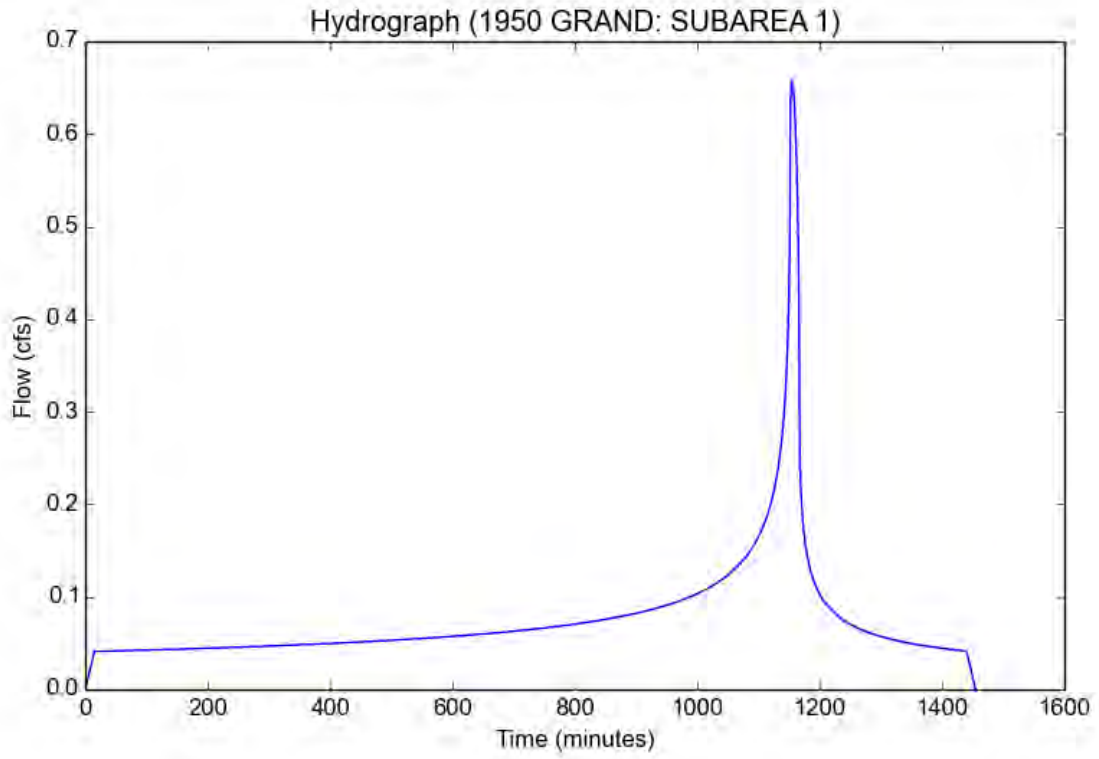
File location: W:/LAX/20/0012/00/Civil/ENG/WQMP/HydroCalc/1950 Grand - Post - 85th_Sub Area 1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	1950 GRAND
Subarea ID	SUBAREA 1
Area (ac)	2.69
Flow Path Length (ft)	660.0
Flow Path Slope (vft/hft)	0.84
85th Percentile Rainfall Depth (in)	0.93
Percent Impervious	0.798
Soil Type	10
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.93
Peak Intensity (in/hr)	0.3311
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.7384
Time of Concentration (min)	15.0
Clear Peak Flow Rate (cfs)	0.6576
Burned Peak Flow Rate (cfs)	0.6576
24-Hr Clear Runoff Volume (ac-ft)	0.1527
24-Hr Clear Runoff Volume (cu-ft)	6650.1379



Peak Flow Hydrologic Analysis

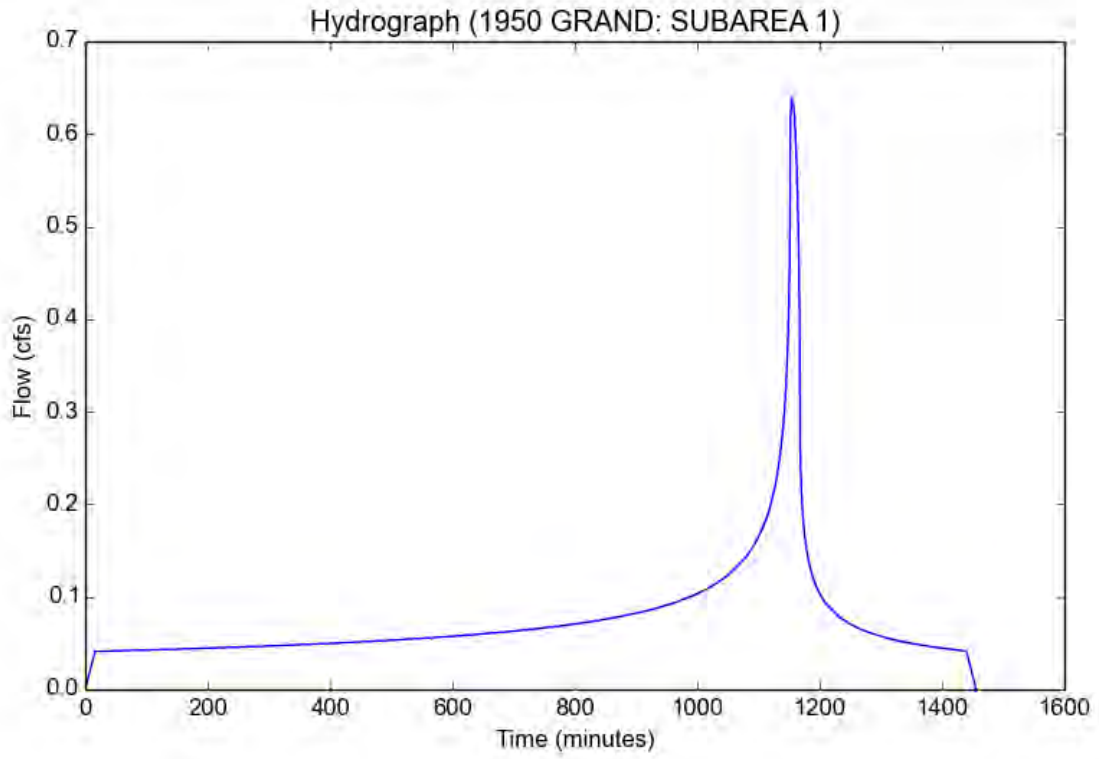
File location: W:/LAX/20/0012/00/Civil/ENG/WQMP/HydroCalc/1950 Grand - Post - 85th_Sub Area 2.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	1950 GRAND
Subarea ID	SUBAREA 1
Area (ac)	2.69
Flow Path Length (ft)	685.0
Flow Path Slope (vft/hft)	0.65
85th Percentile Rainfall Depth (in)	0.93
Percent Impervious	0.8
Soil Type	10
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.93
Peak Intensity (in/hr)	0.3212
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.74
Time of Concentration (min)	16.0
Clear Peak Flow Rate (cfs)	0.6394
Burned Peak Flow Rate (cfs)	0.6394
24-Hr Clear Runoff Volume (ac-ft)	0.153
24-Hr Clear Runoff Volume (cu-ft)	6664.5504



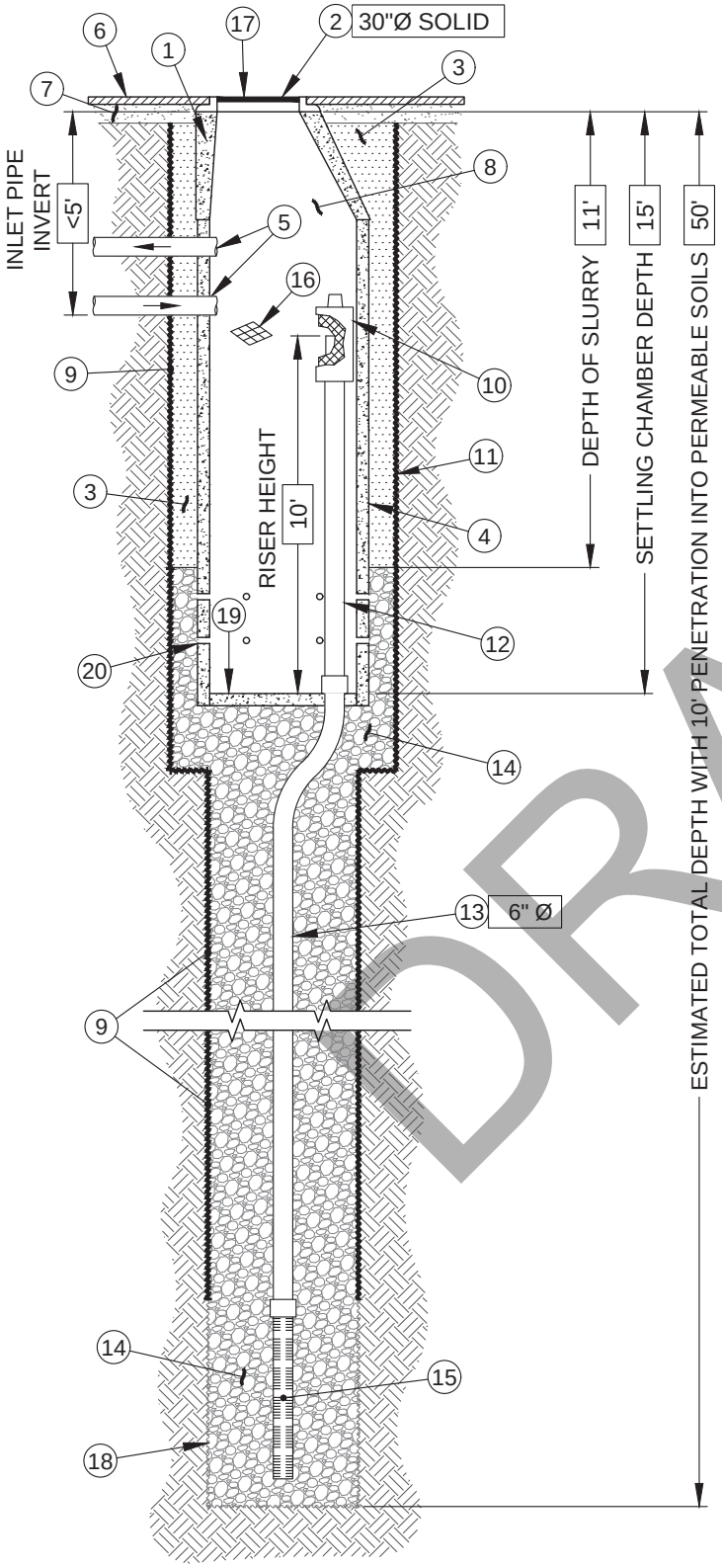
Appendix D – Dry Well Draft

The MaxWell® IV

DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS

1950/1960 Grand

El Segundo



ITEM NUMBERS

1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
2. **BOLTED RING & GRATE/COVER** - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING **"STORM WATER ONLY"** IN RAISED LETTERS. **BOLTED IN 2 LOCATIONS** AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
3. **STABILIZED BACKFILL** - TWO-SACK SLURRY MIX.
4. **PRE-CAST LINER -** 4000 PSI CONCRETE 48" ID. X 54" OD. **CENTER IN HOLE** AND ALIGN SECTIONS **TO MAXIMIZE BEARING SURFACE.**
5. **INLET PIPE/OUTLET PIPE (BY OTHERS).** SEE SEPARATE PLAN FOR INVERT ELEVATIONS.
6. **GRADED BASIN OR PAVING** (BY OTHERS).
7. **COMPACTED BASE MATERIAL**, IF REQUIRED (BY OTHERS).
8. **FREEBOARD DEPTH VARIES** WITH INLET PIPE ELEVATION. INCREASE SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. **NON-WOVEN GEOTEXTILE SLEEVE** - MIRAFI 140 NL. MIN. 6 FT Ø. HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. **PUREFLO® DEBRIS SHIELD** - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. **FUSION BONDED EPOXY COATED**.
11. **MIN. 6' Ø DRILLED SHAFT.**
12. **RISER PIPE** - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. **DRAINAGE PIPE** - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. **ROCK** - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. **FLOFAST® DRAINAGE SCREEN** - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 120" WITH TRI-B COUPLER.
16. **ABSORBENT** - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL, 2 PER CHAMBER.
17. **FABRIC SEAL** - U.V. RESISTANT GEOTEXTILE - **TO BE REMOVED BY CUSTOMER** AT PROJECT COMPLETION. GRATED ONLY.
18. **MIN 4' Ø DRILLED SHAFT.**
19. **BASE SEAL** - CONCRETE SLURRY.
20. **6 PERFORATIONS MINIMUM PER FOOT, 2 ROWS MINIMUM.**

DRAFT

AZ Lic. ROC070465 A, ROC047067 B-4, ADWR 363
CA Lic. 886759, C-42, C-57, HAZ.
Also licensed in the following states: MT, NM, NV, OR, TX, UT, and WA.

U.S. Patent No. 4,923,330 - ™ Trademark 1974, 1990, 2004

DETAIL : IV-4-SS-CA	REVISED BY: RJA	
DRAWN ON: 05-14-19	REVISED DATE: 09-29-20	SCALE: N.T.S

Manufactured and Installed by
TORRENT® RESOURCES
An evolution of McGuckin Drilling
www.torrentresources.com
CALIFORNIA 909-829-0740
ARIZONA 602-268-0785

DRAFT

Maxwell® IV Drainage System Calculations Prepared on September 29, 2020

Project: 1950 Grand - Los Angeles, CA

Contact: Keith Malloy at Ware Malcomb - Los Angeles, CA

Given:

Estimated Flow Rate	0.30	CFS
Safety Factor	3.00	
Design Flow Rate	0.10	CFS
Mitigated Volume	7,319	ft^3
Required Drawdown Time	96	hours
Depth to Emergency Overflow	4.0	ft
Min. Depth to Infiltration	10	ft
Groundwater Depth for Design	100	ft

Proposed:

Drywell Rock Shaft Diameter	4	ft
Drywell Chamber Depth	15	ft
Rock Porosity	40	%
Depth to Infiltration	11	ft
Drywell Bottom Depth	50	ft

Volume of disposal for each drywell based on various time frames are included below.

96 hrs: 0.1 CFS x 96 hours x $\frac{3600\ sec}{1\ hr}$ = 34,560 cubic feet of retained water disposed of.

Chamber diameter = 4 feet. Drywell rock shaft diameter = 4 feet.

Volume provided in each drywell with chamber depth of 15 feet and a depth to overflow of 4 feet.

11 ft x 12.57 ft^2 + 2 ft x 28.27 ft^2 x 40 % + 33 ft x 12.57 ft^2 x 40 % = 327 ft^3

The MaxWell System is composed of 1 drywell(s) .

Total volume provided = 327 ft^3

Total 96 hour infiltration volume = 34,560 ft^3

Total infiltration flowrate = 0.10000 $\frac{ft^3}{sec}$

Based on the total mitigated volume of 7319 CF, after subtracting the volume infiltrated as quickly as it enters the drywell of 5926 CF, the remaining volume is 1393 CF. The storage provided in the drywell system is 327 CF. Therefore 1067 CF can be stored in a separate detention system.

For any questions, please contact Ryan Adaya at 951-202-1037 or via email at RAdaya@TorrentResources.com

Torrent Resources (CA) Incorporated
9950 Alder Avenue
Bloomington, CA 92316
Phone 909-829-0740

DRAFT

Maxwell® IV Drainage System Calculations Prepared on September 29, 2020

Project: 1950 Grand - Los Angeles, CA

Contact: Keith Malloy at Ware Malcomb - Los Angeles, CA

Given:

Estimated Flow Rate	0.30	CFS
Safety Factor	3.00	
Design Flow Rate	0.10	CFS
Mitigated Volume	7,373	ft^3
Required Drawdown Time	96	hours
Depth to Emergency Overflow	4.0	ft
Min. Depth to Infiltration	10	ft
Groundwater Depth for Design	100	ft

Proposed:

Drywell Rock Shaft Diameter	4	ft
Drywell Chamber Depth	15	ft
Rock Porosity	40	%
Depth to Infiltration	11	ft
Drywell Bottom Depth	50	ft

Volume of disposal for each drywell based on various time frames are included below.

96 hrs: 0.1 CFS x 96 hours x $\frac{3600\ sec}{1\ hr}$ = 34,560 cubic feet of retained water disposed of.

Chamber diameter = 4 feet. Drywell rock shaft diameter = 4 feet.

Volume provided in each drywell with chamber depth of 15 feet and a depth to overflow of 4 feet.

11 ft x 12.57 ft^2 + 2 ft x 28.27 ft^2 x 40 % + 33 ft x 12.57 ft^2 x 40 % = 327 ft^3

The MaxWell System is composed of 1 drywell(s) .

Total volume provided = 327 ft^3

Total 96 hour infiltration volume = 34,560 ft^3

Total infiltration flowrate = 0.10000 $\frac{ft^3}{sec}$

Based on the total mitigated volume of 7373 CF, after subtracting the volume infiltrated as quickly as it enters the drywell of 5958 CF, the remaining volume is 1415 CF. The storage provided in the drywell system is 327 CF. Therefore 1089 CF can be stored in a separate detention system.

For any questions, please contact Ryan Adaya at 951-202-1037 or via email at RAdaya@TorrentResources.com

Torrent Resources (CA) Incorporated
9950 Alder Avenue
Bloomington, CA 92316
Phone 909-829-0740

Appendix E – Geotechnical Report Excerpts

wood.

Report of Geotechnical Consultation

Proposed Development

1950 and 1960 Grand Avenue
El Segundo, California

Prepared for:

1960 GRAND OFFICE OWNER 1, L.P.,
A DELAWARE LIMITED PARTNERSHIP
Santa Monica, California

Project 4953-20-0331

June 5, 2020

Wood Environment & Infrastructure Solutions, Inc.
6001 Rickenbacker Road
Los Angeles, CA 90040-3031
USA
T: +1 323.889.5300
www.woodplc.com

June 5, 2020
Wood Project 4953-20-0331

Mr. Collin Komae
1960 GRAND OFFICE OWNER 1, L.P., A DELAWARE LIMITED PARTNERSHIP
3000 Olympic Boulevard, Suite 1255
Santa Monica, California 90404

Subject: Letter of Transmittal
Report of Geotechnical Consultation
Proposed Development
1950 and 1960 Grand Avenue
El Segundo, California

Dear Mr. Komae:

We are pleased to submit the results of our geotechnical consultation in support of the proposed development to be constructed at 1950 and 1960 Grand Avenue in El Segundo, California. This consultation was performed in general accordance with the agreement between owner and consultant dated May 20, 2020.

The scope of our services was planned based on our discussions with Mr. Robert Revzan of Artesian Realty Advisors. Mr. Revzan provided us with a description of the project and a conceptual design plan for the project dated April 15, 2020.

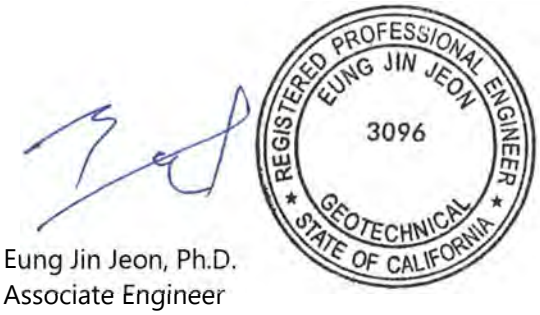
The results of our current geotechnical consultation and design recommendations are presented in this report. Please note that you or your representative should submit copies of this report to the appropriate governmental agencies for their review and approval prior to obtaining a building permit.

'Wood' is a trading name for John Wood Group PLC and its subsidiaries

It has been a pleasure to be of professional service to you. Please contact us if you have any questions or if we can be of further assistance.

Sincerely,

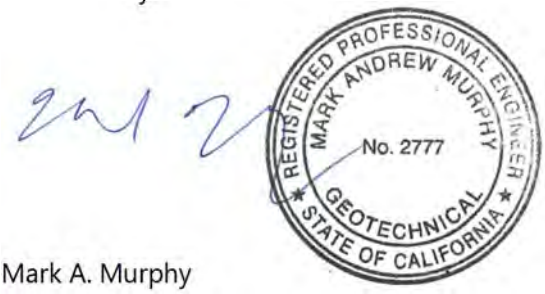
Wood Environment & Infrastructure Solutions, Inc.



Eung Jin Jeon, Ph.D.
Associate Engineer
Project Manager

Rosalind Munro
Principal Engineering Geologist

Reviewed by:



Mark A. Murphy
Principal Geotechnical Engineer

P:\4953 Geotech\2020-proj\200331 1950 & 1960 Grand Development\4.0 Project Deliverables\4.1 Reports\Final Report\4953-20-0331r01.docx\EJJ:MM

(Electronic copies submitted)

Report of Geotechnical Consultation
Proposed Development

1950 and 1960 Grand Avenue
El Segundo, California

Prepared for:

1960 GRAND OFFICE OWNER 1, L.P., A DELAWARE LIMITED PARTNERSHIP
Santa Monica, California

Wood Environment & Infrastructure Solutions, Inc.
Los Angeles, California

June 5, 2020

Project 4953-20-0331

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Appendix

Appendix: Prior Field Explorations and Laboratory Test Results by Wood Predecessor Company LeRoy Crandall and Associates

:1 (horizontal to vertical) extending downward from adjacent existing footings. Alternatively, vertical excavation may be supported by properly designed shoring. We would be pleased to present data for design of shoring if required.

Excavations should be observed by personnel of our firm so that any necessary modifications based on variations in the soil conditions can be made. All applicable safety requirements and regulations, including OSHA regulations, should be met.

6.7.3 Compaction

Any required fill soils should be placed in loose lifts not more than 8 inches thick and compacted. The fill should be compacted to at least 90% of the maximum density obtainable by the ASTM Designation D1557 test method (95% within building areas). The moisture content of the on-site soils at the time of compaction should vary no more than 2% below or above optimum moisture content.

6.7.4 Backfill

All required backfill should be mechanically compacted in layers; flooding should not be permitted. Proper compaction of backfill will be necessary to reduce settlement of the backfill and to reduce settlement of overlying slabs and paving. Backfill should be compacted to at least 90% of the maximum dry density obtainable by the ASTM Designation D1557 method of compaction (95% within building areas). The on-site soils may be used in the compacted backfill. The exterior grades should be sloped to drain away from the foundations to prevent ponding of water.

Some settlement of the backfill should be expected, and any utilities supported therein should be designed to accept differential settlement, particularly at the points of entry to the building. Also, provisions should be made for some settlement of concrete walks supported on backfill.

6.7.5 Material for Fill

The on-site materials, less any debris or organic matter, may be used in required fills. Cobbles larger than 4 inches in diameter should not be used in the fill. Any required import material should consist of relatively non-expansive soils with and Expansion Index of less than 35. The imported materials should contain sufficient fines (at least 15% passing the No. 200 sieve) so as to be relatively impermeable and result in a stable subgrade when compacted. All proposed import materials should be approved by our personnel prior to being placed at the site.

6.8 Feasibility of Infiltration

Based on the soil types encountered during our prior investigations at the site, infiltration is anticipated to be a feasible means of disposal of on-site stormwater runoff. In fact, the property immediately adjacent to the west of the project site was formerly occupied by a stormwater percolation/detention basin with the bottom established at approximately Elevation 92 and side slopes with inclinations ranging between 7:1 (horizontal:vertical) to 10:1; a 12-foot wide gravel drain, with a bottom elevation of 78.5 was also installed within the basin.

The infiltration system should be designed by the project civil engineer depending on the volume of water expected to be discharged into the infiltration system; the civil engineer will likely require site-specific testing to evaluate the infiltration rate to be used in the design. Recommendations provided by the governing regulatory agency, including the guidelines provided in the County of Los Angeles Department of Public Works, "Low Impact Development Standards Manual," should be followed in selecting locations, designing, installing, and

maintaining the infiltration system. All stormwater infiltration facilities should be set back at least 20 feet (vertically or horizontally) from existing structures and other settlement-sensitive features.

6.9 Geotechnical Observation

The reworking of the upper soils and the compaction of all required fill should be observed and tested during placement by a representative of our firm. This representative should perform at least the following duties:

- Observe the clearing operations for proper removal of all unsuitable materials.
- Perform field percolation testing to provide design parameters for design of stormwater infiltration facility.
- Observe the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished subgrade. The representative should also observe proofrolling and delineation of areas requiring overexcavation.
- Evaluate the suitability of on-site and import soils for fill placement; collect and submit soil samples for required or recommended laboratory testing where necessary.
- Observe the fill and backfill for uniformity during placement.
- Test backfill for field density and compaction to determine the percentage of compaction achieved during backfill placement.
- Observe and probe foundation materials to confirm that suitable bearing materials are present at the design foundation depths.
- Observe the installation of drilled cast-in-place concrete or ACIP pile foundation for achievement of proper depth and diameter, if used.

The governmental agencies having jurisdiction over the project should be notified prior to commencement of grading so that the necessary grading permits can be obtained and arrangements can be made for required inspection(s). The contractor should be familiar with the inspection requirements of the reviewing agencies.

A-81141

BORING 1

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 107.7*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
105	0		8.8	123	6		SM	FILL - SILTY SAND - fine, pieces of oil paving, mottled brown
			6.7	109	6			
	5		7.2	114	11		SC	CLAYEY SAND - fine, reddish-brown
100			3.8	104	10		SP	SAND - fine, light yellowish-brown
	10		3.3	99	6			
95								
	15		3.9	98	14			
90								
	20		3.4	100	13			
85								
	25		3.2	99	10			
80								
	30		4.9	98	6			
75								
	35		4.7	106	10			
70								
	40		5.2	102	8			

Fine and medium

NOTE: Water not encountered. Caving from 8' to 12'.

*See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81141 DATE 4/21/81 DR JOHN OE W.P. CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.1

A-81141

BORING 2

DATE DRILLED. April 17, 1981

EQUIPMENT USED. 18"-Diameter Bucket

ELEVATION 109.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
105	5		8.1	125	8		SM SP	FILL - SILTY SAND and SAND - fine, few pieces of oil paving, mottled brown
			7.7	116	10			Dark grey and grey
			7.9	107	6		SC	FILL - CLAYEY SAND - fine, brown
100	10		9.9	112	10			
			7.3	110	11		SM SP SC	FILL - SILTY SAND, SAND and CLAYEY SAND - fine, brown, grey and yellowish-brown
95	15		8.5	119	8			Pieces of oil paving Petroleum odor Few pieces of vegetation Light grey
90	20		11.3	121	8		SM	SILTY SAND - fine, brown and greyish-brown
85	25		4.6	99	5		SP	SAND - fine, light yellowish-brown
80	30		4.7	97	8			
75	35		4.1	100	10			
70	40		3.3	104	11			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81141 DATE 4/21/81 DR JOHN CHKD _____ kh WP YK

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.2

A-81141

BORING 3

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 110.8

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		8.7	126	10		SM SP	FILL - SILTY SAND and SAND - fine, mottled brown and yellowish-brown
			6.9	124	11			
105	5		6.2	105	3		SM	SILTY SAND - fine, brown
			7.4	118	10		SP	SAND - fine, light yellowish-brown
100	10		2.9	102	10			
			9.5	117	10		SM	SILTY SAND - fine, brown
95	15							
			5.2	113	11			
90	20						SP	SAND - fine, light yellowish-brown
			4.4	107	8			
85	25							
			5.1	106	6			
80	30							
			8.1	104	8			
75	35							
			4.6	106	9			
40								

NOTE: Water not encountered. No caving.

NOTE. THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81141 DATE 4/21/81 DR JOHN CHKD kh W.P.

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.3

A-81141

BORING 4

DATE DRILLED April 17, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 112.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		8.8	115	6		SM SP	FILL - SILTY SAND and SAND - fine, brown and yellowish-brown
			7.1	128	5			Dark grey
105	5		11.5	115	10			Light brown
			7.9	125	14		SM	SILTY SAND - fine, light brown
100	10		8.9	123	13			Brown and greyish-brown
95	15		7.5	106	10		SP	SAND - fine, light yellowish-brown
90	20		10.6	114	10		SM	SILTY SAND - fine, brown
85	25		9.3	115	5		SP	SAND - fine, light yellowish-brown
								Layer of Silty Sand
80	30		6.5	105	10			
75	35		5.3	99	7			
	40		5.6	104	11			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81141 DATE 4/21/81 DR JOHN CHKD kh W.P.

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.4

A-81408

BORING 1

DATE DRILLED: December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 108.2*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		7.2	113	19		SM	FILL - SILTY SAND - fine, streaks of Sand and Clayey Sand, mottled brown and yellowish-brown
			3.1	106	10		SP	SAND - fine, yellowish-brown
	5		2.8	101	11			
100			6.1	95	11			
	10		3.4	99	13			
95								
	15		3.3	99	13			Light greyish-brown
90								
	20		2.6	96	10			
85	25							

(CONTINUED ON FOLLOWING PLATE)

* See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/8/82 DR JOHN CE MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

A-81408 BORING 1 (CONTINUED)

DATE DRILLED December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-lbs./ft.)	SAMPLE LOC.
80	30	2.5	99	16		
75	35	4.4	99	10		
70	40	3.0	102	16		
65	45	3.4	103	20		
60	50	5.9	100	11		
55	55	3.8	98	14		

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/8/82 DR JOHN E MD WP fm CHKD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.5b

A-81408

BORING 2

DATE DRILLED December 22, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 110.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110							SM	FILL - SILTY SAND - fine, dark brown
			4.5	111	11			
			5.4	107	8			Lenses of fine Sand, oily, brown and grey
105	5							
			6.5	119	18		SP	FILL - SAND - fine, dark brown
			6.8	109	13			Some Silt and Clay, yellowish-brown
100	10							
			12.8	109	13			Patches of Clay and Silt
								Pieces of concrete
95	15		11.4	107	10			
							SM	FILL - SILTY SAND - fine, pieces of wood, dark brown
90	20		6.5	111	11			Streaks of Sand
							SP	SAND - fine, light yellowish-brown
85	25		4.8	96	5			
80	30		4.5	100	9			
75	35		4.8	104	16			
40			3.2	104	24			

NOTE: Water not encountered. Caving from 14' to 17' and 22' to 25' (to 2½' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN CHKD W.P. MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.6

A-81408

BORING 3

DATE DRILLED: December 21, 1981

EQUIPMENT USED: 5"-Diameter Rotary Wash

ELEVATION 107.8

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		6.1	123	19		SM	FILL - SILTY SAND - some Clay, pieces of asphalt, mottled brown
			7.4	125	22			Dark grey and brown
100	5		6.8	117	8			
	10		8.3	117	8			
95			8.6	123	21			Reddish-brown
	15		6.8	109	12			
90							SM	SILTY SAND - fine, dark brown
	20		8.3	112	17			Yellowish-brown
85								
	25		9.7	121	38			
80							SP	SAND - fine, light yellowish-brown
	30		18.1	101	14			
75								
	35							

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN CHKD fm W.P. MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.7a

A-81408

BORING 3 (CONTINUED)

DATE DRILLED. December 21, 1981

EQUIPMENT USED 5"-Diameter Rotary Wash

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC
70	40		18.7	100	46	
			16.2	107	42	
65	45		14.2	101	38	
60	50		7.4	99	46	
55	55		16.1	97	51	
50	60		10.0	98	64	
45	65		8.9	97	46	
40	70					

Light greyish-brown

Fine to very fine

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E fm MD W.P. CHKD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.7b

A-81408

BORING 3 (CONTINUED)

DATE DRILLED December 21, 1981

EQUIPMENT USED 5"-Diameter Rotary Wash

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
35	75	13.7	92	46				Large amount of fines
30	80	14.4	95	38				
25	85	23.1	99	38				Layer of Clayey Silt, grey and brown Thin alternate layers of Clayey Silt
20	90	18.2	111	38			ML	SANDY SILT - some Clay, brown
		24.6	102	17			ML	CLAYEY SILT - some Sand, dark grey
15	95	22.3	101	64			SP	SAND - fine, light brown
10	100	34.0	89	14			ML	CLAYEY SILT - dark grey
5	105							

NOTE: Drilling mud used in drilling process. Installed 2"-Diameter P.V.C. pipe to depth of 101' for downhole seismic survey. Annular space around outside of pipe backfilled with pea gravel.

NOTE THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN

fm CHKD

MD WP

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.7c

A-81408

BORING 4

DATE DRILLED December 22, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION 109.0

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
			6.1	110	5		SM	FILL - SILTY SAND - pieces of asphalt, reddish-brown
			6.3	114	25			
105	5							Patches of oily Silty Sand, dark greyish-brown
			7.7	120	17			Piece of concrete (to 6" in size)
			8.1	122	17			
100	10							Strong petroleum odor
			7.2	118	7			
95	15		5.8	105	15			
							SM	SILTY SAND - fine, some Clay, brown
90	20		7.9	105	8			
							SP	SAND - very fine, light greyish-brown
85	25		1.9	104	13			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN C.E. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.8a

A-81408

BORING 4 (CONTINUED)

DATE DRILLED December 22, 1981

EQUIPMENT USED 18"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC
80	30	4.0	97	15		
75	35	4.7	98	22		
70	40	3.4	98	22		
65	45	3.7	106	26		
60	50	3.9	96	22		

Light brown

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD fm W.P MD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.8b

A-81408 BORING 5

DATE DRILLED. December 23, 1981

EQUIPMENT USED. 20"-Diameter Bucket

ELEVATION 107.3

Elevation (ft.)	Depth (ft.)	"N" Value Std. Pen. Test	Moisture (% of dry wt.)	Dry Density (lbs./cu. ft.)	Drive Energy (ft.-kips/ft.)	Sample Loc.		
105	0		6.0	127	16		SM	FILL - SILTY SAND - fine, light brown with yellowish-brown Pieces of asphalt
	5		5.9	114	10			
			6.1	110	14			
100			7.2	106	6		SM SP	FILL - SILTY SAND and SAND - yellowish-brown and brown (possibly natural from 8 to 21')
	10		3.6	99	6			
95								
	15		7.0	97	2			
90								
	20		6.5	103	2			
85							SP	SAND - fine, light yellowish-brown
	25		3.2	98	6			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.9a

A-81408

BORING 5 (CONTINUED)

DATE DRILLED December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-lbs./ft.)	SAMPLE LOC
80						
	30	4.8	95	8		
75						
	35	3.5	101	16		
70						
	40	4.9	103	14		
65						
	45	6.3	94	12		
60						
	50	7.1	96	15		

NOTE: Water not encountered. Caving from 9½' to 21' (to 3½' in diameter) and 27' to 29' (to 2½' in diameter).

NOTE THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E MD WP fm CHKD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.9b

A-81408

BORING 6

DATE DRILLED December 23, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 108.4

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
			6.9	111	5		SM	FILL - SILTY SAND - fine, lenses of Sand and Clayey Sand, dark brown with yellowish- and reddish-brown
105			9.6	113	8			
	5		7.3	109	11			(possibly natural from 7 to 12')
			2.6	99	10			
100								
	10		2.8	100	11			
							SM	SILTY SAND - fine, brown
95							SP	SAND - fine, light yellowish-brown
			4.7	105	11			
	15							
90								NOTE: Water not encountered. No caving.
			3.2	103	18			
	20							
85								
			3.3	108	13			
	25							
80								Light greyish-brown
			4.5	95	10			
	30							
75								
			2.1	99	13			
	35							
70								Dark reddish-brown
	40		3.3	98	20			

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN C.F. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.10

A-81408

BORING 7

DATE DRILLED: December 22, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 112.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		10.6	102	8		SM SP	FILL - SILTY SAND and SAND - fine, brown and light yellowish-brown (Possibly natural from 2' to 9')
			8.8	105	13			
	5							Predominantly Sand, yellowish-brown
			6.3	100	13			
105			6.0	101	11			
	10						SP	SAND - fine, light yellowish-brown
			6.7	102	10			
100								
	15		8.0	100	11			
95								
	20		3.0	98	10			Light greyish-brown
90								
	25		3.4	99	14			
85								
	30		2.7	100	10			
80								
	35		3.1	94	13			

NOTE: Water not encountered. Heavy caving below 10' (to 6' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN MD F W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.11

A-81408

BORING 8

DATE DRILLED December 22, 1981

EQUIPMENT USED 20"-Diameter Bucket

ELEVATION 115.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC		
115							SM	FILL - SILTY SAND - fine, few gravel, mottled dark brown
			4.1	111	11		SM	SILTY SAND - fine, some Clay, reddish-brown
110	5		7.6	108	19			Lenses of poorly graded Sand
			5.6	98	13		SP	SAND - fine, yellowish-brown
			6.0	107	16		SC	CLAYEY SAND - fine, reddish-brown
105	10							
			3.9	107	11		SP	SAND - fine, light reddish-brown and yellowish-brown
100	15		3.4	108	13			
95	20		2.5	102	16			
90	25		2.4	99	16			
85	30		3.4	99	12			
80	35		3.6	95	10			
	40		4.3	100	10			

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD W.P. fm MD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.12

A-81408 BORING 9

DATE DRILLED: December 22, 1981

EQUIPMENT USED: 18"-Diameter Bucket

ELEVATION 111.5

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110							FILL - SILTY SAND - fine, brown	
	5		10.1	122	13		Patches of oily Silty Sand, dark grey	
105			9.4	119	12			
			8.4	120	13		Dark brown	
	10		8.9	124	15		Lenses of Clayey Sand, grey and brown	
100			7.8	121	12		(Possibly natural from 13' to 22')	
	15		10.5	110	13			
95								
			8.6	120	17		Oily streaks Dark grey	
	20							
90								
						SM	SILTY SAND - fine, brown	
	25		8.2	116	10			

(CONTINUED ON FOLLOWING PLATE)

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN CHKD fm W.P. MD

Form 123

LOG OF BORING

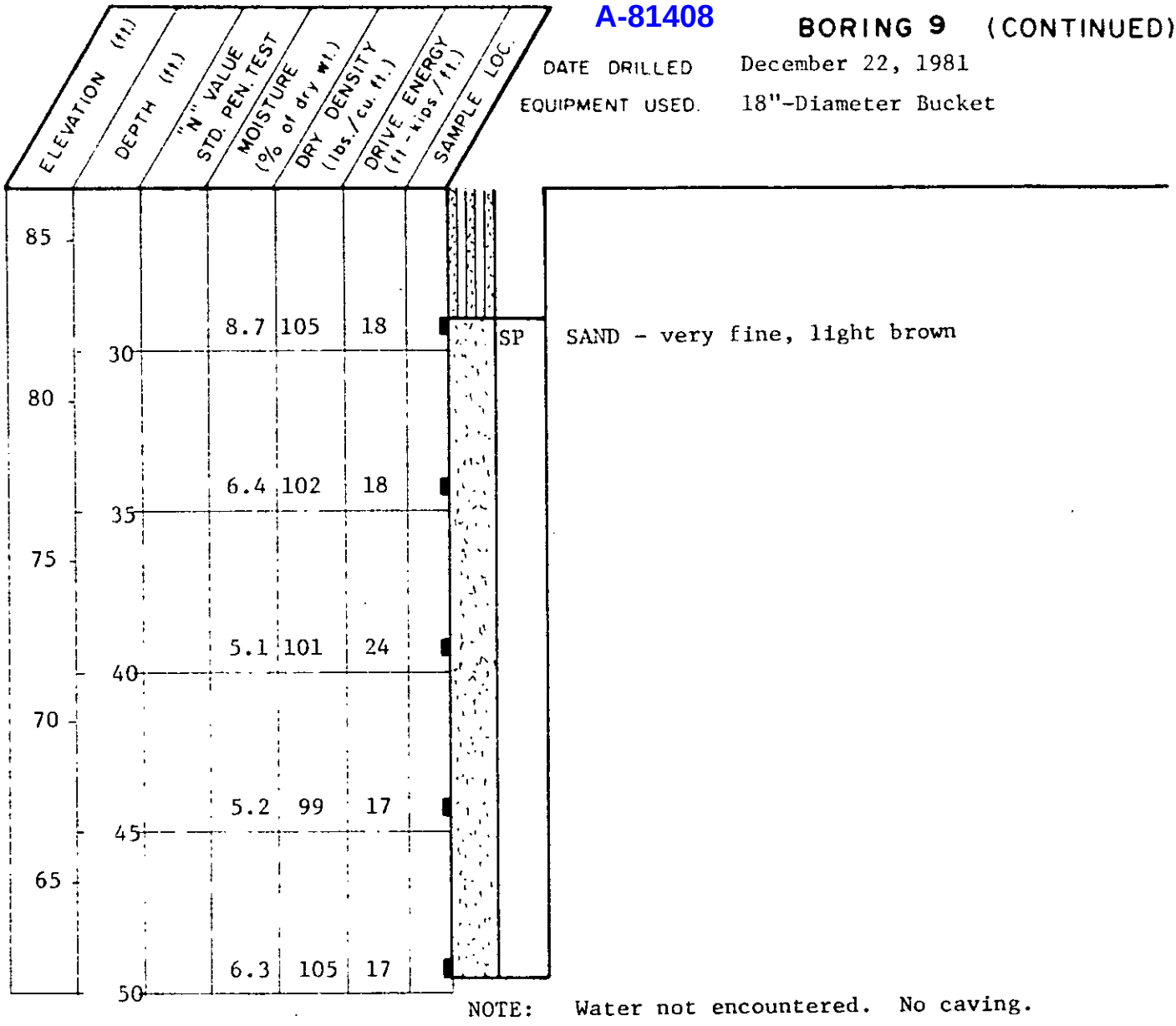
LeROY CRANDALL AND ASSOCIATES

A-81408

BORING 9 (CONTINUED)

DATE DRILLED December 22, 1981

EQUIPMENT USED. 18"-Diameter Bucket



NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN E WP CHKD fm MD

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.13b

A-81408

BORING 10

DATE DRILLED. December 22, 1981

EQUIPMENT USED. 18"-Diameter Bucket

ELEVATION 112.9

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		10.7	117	5		SM	FILL - SILTY SAND - fine, pieces of asphalt, brown
	5		10.0	122	20			(Possibly natural from 5' to 10')
105			8.6	112	10			
			8.4	123	25			
	10						SP	SAND - very fine, light brown
100			5.6	102	12			
	15		4.8	99	13			
95								
	20		3.9	95	17			
90								
	25		4.0	97	8			
85								
	30							(BORING TERMINATED AT 30' DUE TO HEAVY CAVING AND DIFFICULT DRILLING)

NOTE: Water not encountered. Heavy caving below 25' (to 4' in diameter). Hole caved back from 30' to 25'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.14

A-81408

BORING II

DATE DRILLED: December 24, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.3

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.
105	5	5.5	122	19		
		8.3	129	18		
100	10	2.7	102	14		
		3.9	101	11		
95	15	3.5	98	10		
		2.4	97	11		
90	20	3.0	96	8		
85	25	2.4	97	14		
80	30					

SM FILL - SILTY SAND - fine, dark brown

Streaks of yellowish-Sand
Oily streaks
Grey and brown

SP SAND - fine, light yellowish-brown

NOTE: Water not encountered. Caving below 7' (to 6' in diameter).

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES

JOB A-81408 DATE 1/11/82 DR JOHN C.E. MD W.P. fg CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.15

A-81408

BORING 12

DATE DRILLED: December 24, 1981

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 111.4

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110	0		7.3	128	22		SM SC	FILL - SILTY SAND and CLAYEY SAND - fine, few gravel, mottled brown
			8.2	128	16			
105	5		5.7	108	11		SM	SILTY SAND - fine, dark brown
			2.6	100	8		SP	SAND - fine, light yellowish-brown
100	10		2.5	96	8			
95	15		2.2	96	8			
90	20		2.0	96	11			(BORING TERMINATED AT 23' DUE TO HEAVY CAVING AND DIFFICULT DRILLING).
	25						NOTE:	Water not encountered. Heavy caving below 7' (to 6' in diameter). Hole caved back from 23' to 15'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408 DATE 1/11/82 DR JOHN E. MD W.P. fm CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.16

A-81408 **BORING 13**

DATE DRILLED: June 4, 1984

EQUIPMENT USED: 20"-Diameter Bucket
(Borings 1 through 12 drilled during previous investigation. LC&A Job No. A-81408)

ELEVATION 111.1*

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
110							SM SP	FILL - SILTY SAND and SAND - fine, pieces of asphaltic paving and concrete, brown
			8.7	111	5			
105	5						SP	FILL - SAND - fine, brown
			6.4	110	16			Lenses of Silty Sand
	10		8.0	107	13			
100								Layer of Sandy Silt
			10.3	115	16			
	15		8.2	117	13			
95								
			8.0	121	18			
	20							
90								
							SP	SAND - fine, light brown
	25		3.8	103	19			
85								
	30							

(CONTINUED ON FOLLOWING PLATE)

*See Plate 1 for location and elevation of bench mark.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-B DATE 6/8/84 DR. JOHN MS W.P. ge CHKD

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

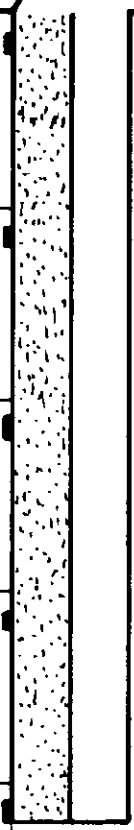
A-81408

BORING 13 (CONTINUED)

DATE DRILLED: June 4, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.
80			2.5	101	14	
	35					
75			4.6	96	8	
	40					
70			3.4	96	14	
	45					
65			3.6	100	12	
	50					
60			5.6	97	10	
55						



NOTE: Water not encountered. Slight raveling below 26'.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

ge ____ CHKD ____

MS ____ W.P. ____

JOB A-81408-B DATE 6/8/84 DR. JOHN

Form 124

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.17b

A-81408

BORING 16

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 109.6

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	5		6.5	117	6		SP SM	FILL - SAND and SILTY SAND - fine, pieces of asphaltic paving, concrete and wood, mottled brown
			7.5	131	11			Odorous, dark grey
			9.3	125	14			
100	10							
95	15							

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-B DATE 6/8/84 DR. JOHN MS ge CHKD pm

Form 123

LOG OF BORING

LeROY CRANDALL AND ASSOCIATES

PLATE A-1.20

A-81408

BORING 17

DATE DRILLED: June 5, 1984

EQUIPMENT USED: 20"-Diameter Bucket

ELEVATION 107.6

ELEVATION (ft.)	DEPTH (ft.)	"N" VALUE STD. PEN. TEST	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	DRIVE ENERGY (ft.-kips/ft.)	SAMPLE LOC.		
105	0		7.7	118	8		SP SM	FILL - SAND and SILTY SAND -fine, pieces of concrete, mottled brown
								Oil stained
	5		7.9	125	11			
100	10							
95	15							

NOTE: Water not encountered. No caving.

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

JOB A-81408-8 DATE 6/8/84 DR. JOHN CHKD

ge P. MS

Form 123

LOG OF BORING

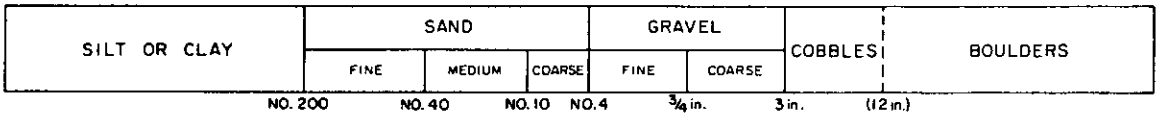
LeROY CRANDALL AND ASSOCIATES

PLATE A-1.21

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel-sand-silt mixtures.
			GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS



UNIFIED SOIL CLASSIFICATION SYSTEM

Reference:
The Unified Soil Classification System, Corps of Engineers, U.S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LeRoy Crandall and Associates

FORM 133-A

PLATE A-2

A-81408

BORING NUMBER AND SAMPLE DEPTH :	5 at 0' to 5'
SOIL TYPE :	FILL - SILTY SAND
MAXIMUM DRY DENSITY * : (LBS./CU. FT.)	127
OPTIMUM MOISTURE CONTENT * : (% OF DRY WT.)	8
EXPANSION (%) : (FROM OPTIMUM TO SATURATED MOISTURE CONTENT)	0.1
C.B.R. ** (% OF STANDARD)	
AT 90% COMPACTION :	17
AT 95% COMPACTION :	39

* TEST METHOD: ASTM DESIGNATION D1557-70.

** TEST METHOD: ASTM DESIGNATION D1883-73.

JOB ADE-81408 DATE 2/3/82 DR ____ MD W.P. fm CHKD ____

FORM 113

COMPACTION AND C. B. R. TEST DATA

LeROY CRANDALL AND ASSOCIATES

PLATE A-5.1

A-81408

BORING NUMBER AND SAMPLE DEPTH:	Boring 16 at 1' to 2'
SOIL TYPE:	FILL - SAND and SILTY SAND
MAXIMUM DRY DENSITY * : (LBS./CU. FT.)	124
OPTIMUM MOISTURE CONTENT * : (% OF DRY WT.)	8
EXPANSION (%) : (FROM OPTIMUM TO SATURATED MOISTURE CONTENT)	0.1
C.B.R. ** (% OF STANDARD)	
AT 90% COMPACTION:	8
AT 95% COMPACTION:	44

* TEST METHOD: ASTM DESIGNATION D1557-70.

** TEST METHOD: ASTM DESIGNATION D1883-73.

COMPACTION AND C.B.R. TEST DATA

LeROY CRANDALL AND ASSOCIATES

PLATE A-5.2

JOB A-81408-B DATE 6/13/84 DR. E. W MS W.P. tk CHKD

FORM

Michael Baker
INTERNATIONAL

Appendix G
Phase I Environmental Site Assessment

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Phase I Environmental Site Assessment

1960 East Grand Avenue

1960 East Grand Avenue
El Segundo, California 90245

EBI Project No. 1119006294

October 10, 2019

Prepared for:

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield
1960 East Grand Avenue, Suite 425
El Segundo, CA 90245

Prepared by:

EBI Consulting
environmental | engineering | due diligence

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October 10, 2019

Ms. Ivy Le
BSREP II Grand Avenue, LLC
c/o Cushman and Wakefield
1960 East Grand Avenue, Suite 425
El Segundo, CA 90245

Subject: Phase I Environmental Site Assessment
1960 E Grand Avenue
1960 E Grand Avenue, El Segundo, California
EBI Project No. 1119006294

Dear Ms. Le:

Attached please find our *Phase I Environmental Site Assessment* (the report) for the above-mentioned asset (the Subject Property). During the survey and research, our surveyor met with agents representing the Subject Property, or agents of the owner, and reviewed the Subject Property and its history. The report was completed according to the terms and conditions authorized by you, the Client. This report has been completed in conformance with the ASTM Standard E 1527-13 and the Cushman and Wakefield Scope of Work.

The purpose of this report is to assist BSREP II Grand Avenue, LLC c/o Cushman and Wakefield in its underwriting of a proposed mortgage loan on the Subject Property described herein.

This report is addressed to BSREP II Grand Avenue, LLC c/o Cushman and Wakefield and their respective successors and assigns.

The purpose of this report is to acquire environmental information, observe the general condition and maintenance status of the Subject Property, to identify recognized environmental conditions in connection with the Subject Property described in this report, and to assist BSREP II Grand Avenue, LLC c/o Cushman and Wakefield, in its pre-sale effort in evaluating their Property.

This Report was performed utilizing methods and procedures consistent with established commercial practices and in conformance with industry standards. The suggestions represent EBI's opinion based on written, graphic or verbal information, the property condition and data available to us at the time of the survey. Factual information regarding operations, conditions or data provided by the Client, occupants, owner or their representative has been assumed to be correct and complete.

There are no intended or unintended third party beneficiaries to this report, except as expressly stated herein.

EBI is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the report or on the closing of any business transaction.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

EBI Consulting
environmental | engineering | due diligence

21 B Street
Burlington, MA 01803
Tel: (781) 273-2500
Fax: (781) 273-3311
www.ebiconsulting.com

Thank you very much for the opportunity to provide environmental consulting services to BSREP II Grand Avenue, LLC c/o Cushman and Wakefield. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,
EBI CONSULTING

Mike Monis
Senior Scientist

Debra Bechtold
Program Manager
dbechtold@ebiconsulting.com
562-884-0893

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EXECUTIVE SUMMARY

At the request of BSREP II Grand Avenue, LLC c/o Cushman and Wakefield, EBI has performed a Phase I Environmental Site Assessment (ESA) of the property located at 1960 E Grand Avenue in El Segundo, California, herein referred to as the Subject Property. The main objective of this ESA was to identify *recognized environmental conditions* in connection with the Subject Property, defined in ASTM Practice E 1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment, or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of ASTM Practice E 1527-13.

The Subject Property includes two contiguous rectangular-shaped parcels, totaling approximately 5.37 acres. The Subject Property is currently improved with a 12-story, multi-tenant office building, with a net-rentable area of approximately 257,937± square feet and a nine-story parking garage with two sub-levels. There is no basement present beneath the office structure. The existing improvements were constructed in 1987. There are currently no manufacturing or industrial operations conducted at the Subject Property.

Below is the Assessment Summary Table presenting our recommended actions for the Subject Property. EBI's Findings and Opinions are presented in Section 8.0, and recommendations for further action or investigation are presented in Section 9.0.

Report Section		No Further Action	REC	HREC	CREC	Other	Recommended Action	Estimated Cost
2.3	**Current Use of the Subject Property**	X						
2.5	**Adjoining Properties**	X						
4.1	**Standard Environmental Records**	X						
4.1.4	**Vapor Migration**	X						
4.2	**Historical Use of the Subject Property and Adjoining Properties**	X						
5.2	**Hazardous Substances and Petroleum Products**	X						
5.3	**Waste Generation, Storage, and Disposal**	X						
5.4	**Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)**	X						
5.5	**Oil-Containing Equipment and Polychlorinated Biphenyls (PCBs)**	X						
5.6	**Additional Site Conditions**	X						
7.1	**Asbestos-Containing Material (ACM)**	X						
7.2	**Radon**	X						
7.3	**Lead-Based Paint (LBP)**	X						
7.4	**Lead in Drinking Water**	X						

1.0 INTRODUCTION

This report documents the findings, opinions, and conclusions of a Phase I Environmental Site Assessment (ESA) of the property located at 1960 E Grand Avenue in El Segundo, California.

1.1 PURPOSE

The purpose of this ESA was to identify *recognized environmental conditions* and certain environmental conditions outside the scope of ASTM Practice E 1527-13 in connection with the property at the time of the property reconnaissance.

1.2 SCOPE-OF-SERVICES

This ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1527-13. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1527-13 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils and hydrologic data.
- Subject Property history through a review of referenced sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Current Subject Property conditions, including observations and interviews regarding the following: the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or biomedical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground and underground).
- Usage of surrounding area properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Subject Property.
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances.
- Past ownership through a review of available prior reports and local municipal file review.

The scope-of-work also included consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E 1527-13: asbestos-containing materials (ACM), lead-based paint (LBP), lead in drinking water, and radon.

1.3 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

This Phase I Environmental Site Assessment (the report) has been prepared for the use of BSREP II Grand Avenue, LLC c/o Cushman and Wakefield, in accordance with our Standard Terms and Conditions for Third Party Due Diligence Services approved and signed by BSREP II Grand Avenue, LLC c/o Cushman and Wakefield (the Agreement), and with the limitations described below, all of which are integral parts of this report. A copy of the signed Standard Terms and Conditions for Third Party Due Diligence Services is maintained at the EBI Consulting office in Burlington, Massachusetts. To the extent any provisions of this report conflict with the terms of the Agreement, the Agreement will control.

EBI has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. This report was prepared with no exceptions or deletions from ASTM Standard E 1527-13.

This Phase I Environmental Site Assessment has been prepared to assess a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is

intended to permit BSREP II Grand Avenue, LLC c/o Cushman and Wakefield to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Subject Property consistent with good commercial or customary practice" as defined in 42 U.S.C. § 9601(35)(B).

In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify *recognized environmental conditions*. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to a release to the environment, (2) under conditions that indicate an existing release or a past release, or (3) under conditions that pose a material threat of a future release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term does not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The information reported was obtained through sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with the authorities having jurisdiction over the Subject Property. Findings, conclusions, and recommendations included in the report are based on our visual observations in the field, the standard environmental record sources and municipal information reasonably obtained, information provided by the Client, and/or a review of readily available and supplied documents and drawings. EBI relies completely on the information, whether written, graphic, or verbal, provided by the Subject Property contact or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct unless the information is known to be inaccurate or if it is obvious, based on other information obtained as part of the assessment, that the information is not accurate. Although there may have been some degree of overlap in the information provided by these various sources, EBI did not attempt to verify independently the accuracy or completeness of all information reviewed or received during the course of these environmental services.

The information reported, as well as EBI's findings, conclusions, and recommendations are based upon sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with authorities having jurisdiction over the Subject Property. BSREP II Grand Avenue, LLC c/o Cushman and Wakefield agrees that EBI has no obligation to independently verify the accuracy or completeness of the information reviewed or received during the course of these environmental services.

EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under un-surveyed and/or inaccessible portions of the Subject Property. Unsurveyed and inaccessible portions of the Subject Property are described below. In addition, EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under the Subject Property where direct observation of the interior walls, floor, or ceiling of a structure was obstructed by objects or coverings on or over these surfaces.

EBI Services and opinions are based on the scientific or technical tests or procedures specifically set forth in the scope of the Services described in this report. The ASTM Standard E 1527-13 does not encompass analytical testing to evaluate asbestos containing materials, radon, lead-based paint, drinking water quality, indoor air quality, stored chemicals, debris, fill materials, surface water, or subsurface samples (soil and groundwater) as part of a Phase I ESA. Because geologic and soil formations are inherently random, variable, and indeterminate in nature, the Services and opinions provided under this Agreement are not guaranteed to be a representation of actual conditions on the Subject Property, which are also subject to change with time as a result of natural or man-made processes, including water permeation. In performing the Services, EBI used that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality at the same time and under similar circumstances. No other

representation, expressed or implied, and no warranty or guarantee is included or intended. The report speaks only as of its date, in the absence of a specific written update of the report, signed and delivered by EBI. Additional information that becomes available after our survey and draft submission concerning the Subject Property should be provided to EBI so that our conclusions may be revised and modified if necessary, at additional cost.

Client and EBI agree that to the fullest extent permitted by law, EBI shall not be liable to Client for any special, indirect, consequential, punitive, exemplary, incidental or indirect damages or losses whatsoever, whether caused by EBI's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

The assessment was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession, and in accordance with generally accepted practices of other consultants currently practicing in the same locality under similar conditions.

1.4 SPECIAL TERMS AND CONDITIONS

The exclusive purpose of this Phase I Environmental Site Assessment (the Report) is to observe the general physical condition and maintenance status of the property, to suggest repair or maintenance items considered customary for the property to continue in its current operation compared to properties of similar age and condition, and to assist BSREP II Grand Avenue, LLC c/o Cushman and Wakefield, in its pre-sale effort in evaluating their Property. Amendments to EBI's limitations as stated herein that may occur after issuance of the Report are considered to be included in this Report. EBI's liability to a purchaser wishing to use this Report is limited to the cost of the Report. By accepting draft and final Reports, BSREP II Grand Avenue, LLC c/o Cushman and Wakefield agrees to these terms and limitations.

1.5 DATA GAPS

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the Subject Property and do not alter the conclusions of this report,.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 OWNERSHIP AND LOCATION

According to the Los Angeles County Assessor's Office, the Subject Property is currently owned by BSREP II Grand Avenue LLC.

The Subject Property is located at 1960 E Grand Avenue in El Segundo, Los Angeles County, California. The Subject Property includes two contiguous rectangular-shaped parcels, identified by the Los Angeles County Assessor's Office as Map 4138, Parcel 7, Lot 65, and Map 4138, Parcel 7, Lot 66, cumulatively totaling approximately 5.37 acres. The Subject Property is located approximately 540 feet east of the intersection of East Grand Avenue and Sepulveda Boulevard. Figure 1 - Location Map depicts the location of the Subject Property on a street map of El Segundo, California. Figure 2 - Locus Map depicts the location of the Subject Property on the Venice, California United States Geological Survey (USGS) 7.5 Minute Topographic Quadrangle. Figure 3 - Site Plan depicts the configuration of the Subject Property and adjoining properties.

2.2 SUBJECT PROPERTY IMPROVEMENTS

The Subject Property is currently improved with a 12-story, multi-tenant office building, with a net-rentable area of approximately 257,937± square feet and a nine-story parking garage with two sub-levels. There is no basement present beneath the office structure. The existing improvements were constructed in 1987.

The existing office building is located on the eastern portion of the property. Areas of the Subject Property surrounding the existing building include the following: one 11-story parking garage with two subterranean levels, located on the southwestern portion of the Subject Property; asphalt-paved surface parking, located along the north, east, and west sides of the building; concrete walkways, located throughout the Subject Property; and, landscaping surrounding the building. Land and building areas are as follows:

SUBJECT PROPERTY IMPROVEMENTS					
Address	**Floors**	**Basement**	**Area (SF)**	**DOC**	**Lot Size (Acres)**
1960 East Grand Avenue, Office Tower	12	No	257,937	1987	5.37
1940 East Grand Avenue, Parking Garage	11	Yes	246,126	1987	inclusive

SF: Square Feet DOC: Date of Construction

2.3 CURRENT USE OF THE SUBJECT PROPERTY

At the time of assessment, the Subject Property was occupied by 56 office tenants. Twenty-three vacant tenant spaces were identified at the time of assessment. There are currently no manufacturing or industrial operations conducted at the Subject Property. EBI was provided with a copy of the most recent tenant list, which is presented in Appendix C. Select current tenants and associated operations are summarized in the table below.

CURRENT OCCUPANTS AND OPERATIONS			
Occupant	**Location**	**Operations**	**Notable Hazardous Substances / Petroleum Products Identified**
Vacant	100	NA	No
CyberCity 3D, Inc.	280	Office space	No
Cushman & Wakefield	420	Office space	No
Dermstore	600	Office space	No
Union of American Physicians and Dentists	810	Office space	No
Columbus Technologies and Services, Inc.	1000	Office space	No
Donahue & Horrow, LLP	1215	Office space	No

2.4 MUNICIPAL SERVICES & UTILITIES

The Subject Property is serviced by the following municipal services and utilities:

MUNICIPAL SERVICES AND UTILITIES	
Utility	**Provider/Source**
Potable Water Supply	City of El Segundo
Sewage Disposal System	City of El Segundo
Electrical Service	Southern California Edison
Natural Gas Service	Southern California Gas
Oil Service	Not provided
Heating/Cooling Systems	Natural gas water heaters located in the rooftop mechanical penthouse deliver heated water to VAV boxes above the tenant ceiling spaces and an electric cooling tower supplies cooled air to VAV boxes above the tenant ceiling spaces.
Emergency Power	One diesel-fired emergency generator with a self-contained fuel tank.

2.5 ADJOINING PROPERTIES

Property use in the vicinity of the Subject Property is primarily characterized by retail/commercial development.

ADJOINING PROPERTIES	
Direction	**Findings**
North	The Subject Property is bound to the north by East Grand Avenue, beyond which is Mattel (1955 East Grand Avenue) and a multi-tenant office complex (300 North Sepulveda Boulevard).
South	The Subject Property is bound to the south by commercial development (101 Continental Boulevard).
East	The Subject Property is bound to the east by multi-tenant commercial structures (1990 East Grand Avenue and 201 Continental Boulevard).
West	The Subject Property is bound to the west by a parking garage (222 North Sepulveda Boulevard).

No visual evidence of adverse environmental conditions was observed during the survey of the adjoining properties. Adjacent properties identified in the database report are further discussed in Section 4.1.

2.6 PHYSICAL SETTING

2.6.1 Topography

The Subject Property is located at an elevation of approximately 118 feet above mean sea level (msl). The topography of the Subject Property is relatively flat. The Subject Property is located in an undulating area, and the general slope of the surrounding region is to the north (see Figure 2, which depicts the location of the Subject Property on the Venice, California USGS 7.5 Minute Topographic Quadrangle).

2.6.2 Geology and Soils

No bedrock outcroppings were observed at the Subject Property. Information concerning the geology of the Subject Property was obtained from the USGS Ground Water Atlas of the United States, California region (1995). The Subject Property is located within the Pacific Border physiographic province, which is characterized by steep rolling hills and mountains and consists of severely folded, faulted, commonly metamorphosed marine and continental sediments.

According to the Environmental Data Resources, Inc. (EDR) GeoCheck Physical Setting Source Summary, the dominant soil composition in the vicinity of the Subject Property is classified as Delhi. This soil consists of somewhat excessively well drained soil extending to a depth of more than 60 inches.

2.6.3 Hydrogeology and Hydrology

No natural surface water bodies were identified on or adjacent to the Subject Property. There are no downgradient water bodies within one mile of the Subject Property.

Local groundwater gradient is typically expected to follow surface topography; however, the absence of a distinct ground surface slope at the Subject Property prevents estimation of groundwater flow direction by this method. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

3.0 USER PROVIDED INFORMATION

The following section summarizes information provided by BSREP II Grand Avenue, LLC c/o Cushman and Wakefield with regard to this Phase I Environmental Site Assessment. Additionally, a User Questionnaire was forwarded to the designated client contact. The User Questionnaire has been completed and returned to our offices. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. The User Questionnaire and any additional documentation referenced below is presented in Appendix C.

3.1 TITLE RECORDS

Title record information associated with the Subject Property has not been provided to EBI by BSREP II Grand Avenue, LLC c/o Cushman and Wakefield. A detailed discussion regarding review of information obtained from other sources is presented in Section 4.2.3 of this report.

3.2 ENVIRONMENTAL LIENS AND ACTIVITY AND USE LIMITATIONS

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield has provided no information regarding environmental liens or activity and use limitations in connection with the Subject Property. A discussion regarding environmental liens is presented in Section 4.2.5 of this report. A detailed discussion regarding activity and use limitations is presented in Sections 4.1.1 and 4.1.2 of this report.

3.3 SPECIALIZED KNOWLEDGE

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield provided no specialized knowledge that is material to recognized environmental conditions in connection with the Subject Property. EBI was not provided with or made aware of previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the Subject Property, except as presented in Section 4.2.6 of this report.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield has provided no commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield has provided no information regarding valuation reduction for environmental issues in connection with the Subject Property.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield provided contact information for the Subject Property owner, manager and/or occupants.

3.7 REASON FOR PERFORMING PHASE I ESA

BSREP II Grand Avenue, LLC c/o Cushman and Wakefield retained EBI to complete this Phase I Environmental Site Assessment in connection with a real estate transaction.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORDS

A review of standard environmental databases maintained by Federal, state, and tribal offices was completed through Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. The databases were searched for properties with reported environmental conditions located within approximate minimum search distances as specified by ASTM Standard E 1527-13, by using geocoding information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded "orphan" properties within the same zip code. The database report is presented in Appendix E.

The database report identified six "orphan sites". Orphan sites are those sites that could not be accurately mapped or geocoded due to inadequate location information. EBI attempted to locate these sites via vehicular reconnaissance and interviews with personnel familiar with the area. Based on this research, EBI did not identify listed orphan sites within the approximate minimum search distances that may be considered likely to have impacted conditions at the Subject Property.

It should be noted that plotted locations of listed sites are not always accurate. With regard to listings that are determined or suspected to be inaccurate, based on information from other sources such as direct observation or consultation with individuals familiar with the property, EBI uses the best available data when evaluating the location of listed sites discussed below.

The following table provides a summary of the findings of the environmental database report. Specific properties identified within the database report are further discussed in the sections below. Properties that are identified within the database report that are not discussed further in the sections below are not considered to be a concern to the Subject Property based on one or more of the following rationale: absence of reported releases, current regulatory status, distance, presumed hydrogeologic gradient and/or nature/extent of contamination.

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Delisted NPL		1	0	0	0	0	NR	0
CORRACTS		1	0	1	1	3	NR	5
RCRA-TSDF		0.5	0	1	2	NR	NR	3
RCRA-LQG		0.25	0	2	NR	NR	NR	2
RCRA-SQG	X	0.25	2	7	NR	NR	NR	10
RCRA NonGen / NLR		TP	NR	NR	NR	NR	NR	0
RCRA-VSQG		0.25	0	1	NR	NR	NR	1
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROL		0.5	0	0	0	NR	NR	0
US BROWNFIELDS		0.5	0	0	0	NR	NR	0
FUDS		1	0	0	0	4	NR	4
ERNS		0.125	0	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	2
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	2	3	NR	NR	5
2020 COR ACTION		0.25	0	1	NR	NR	NR	1
ECHO	X	TP	NR	NR	NR	NR	NR	1
VCP		0.5	0	0	4	NR	NR	4
BROWNFIELDS		0.5	0	0	0	NR	NR	0
CA BOND EXP. PLAN		1	0	0	0	1	NR	1
SWF/LF (SWIS)		0.5	0	0	0	NR	NR	0
ENVIROSTOR		1	0	2	8	17	NR	27
TOXIC PITS		1	0	0	0	0	NR	0
CERS	X	TP	NR	NR	NR	NR	NR	1
HIST CAL-SITES		1	0	0	0	0	NR	0

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WMUDS/SWAT		0.5	0	0	0	NR	NR	0
NOTIFY 65		1	0	0	0	1	NR	1
CHMIRS		0.25	2	11	NR	NR	NR	13
SWRCY		0.5	0	0	0	NR	NR	0
HWP		1	0	1	2	4	NR	7
RESPONSE		1	0	0	0	0	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	5
LUST		0.5	3	5	9	NR	NR	17
UST		0.25	6	15	NR	NR	NR	21
SWEEPS UST		0.25	4	8	NR	NR	NR	12
HIST UST		0.25	0	5	NR	NR	NR	5
CA FID UST		0.25	0	0	NR	NR	NR	0
AST		0.25	4	9	NR	NR	NR	13
CPS-SLIC		0.5	0	0	3	NR	NR	3
CORTESE		0.5	0	0	0	NR	NR	0
HIST CORTESE		0.5	2	5	7	NR	NR	14
CERS HAZ WASTE		0.25	2	8	NR	NR	NR	10
CERS TANKS		0.25	2	5	NR	NR	NR	7
RGA LUST		0.5	3	7	8	NR	NR	18
RGA LF		0.5	0	2	0	NR	NR	2
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0
EDR Hist Cleaner		0.25	1	0	NR	NR	NR	1
EDR Hist Auto		0.25	1	4	NR	NR	NR	5

4.1.1 Federal Agency Database Records

National Priority List (NPL)
The NPL database, also known as the Superfund List, is a subset of CERCLIS and identifies sites that are ranked as high priority for remedial action under the Federal Superfund Act.

Delisted National Priority List (NPL)
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Superfund Enterprise Management System (SEMS)
SEMS tracks federal hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of the USEPA's Superfund Program. The list was formerly known as CERCLIS and was renamed at the end of 2015. The list contains data regarding potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). SEMS also contains sites that are either proposed to or on the National Priority List (NPL), as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

SEMS - ARCHIVE
SEMS - ARCHIVE tracks sites that have been removed from the SEMS list. This list was formerly known as the CERCLIS- NFRAP list and was renamed SEMS - Archive at the end of 2015. SEMS-ARCHIVE sites may be sites where, following an initial investigation, no contamination was found, contamination was removed without the need for the site to be placed on the NPL, or the contamination was not considered sufficient to warrant Federal Superfund action or NPL consideration.

Resource Conservation and Recovery Act (RCRA) - Corrective Action Tracking System (CORRACTS)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and

Recovery Information System (RCRIS). The database includes selective information regarding sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The RCRA-CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA.

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities
RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) facilities are required to register hazardous waste activity under the Resource Conservation and Recovery Act (RCRA).

RCRA Hazardous Waste Generators
Hazardous waste generators tracked under the Resource Conservation and Recovery Act (RCRA) are classified as either Large Quantity Generators (LQGs), Small Quantity Generators (SQGs), or Conditionally Exempt Small Quantity Generators (CESQG). A RCRA-LQG is defined as a facility that generates over 1,000 kilograms (Kg) of hazardous waste, or over 1 Kg of acutely hazardous waste per month. A RCRA-SQG is defined as a facility that generates between 100 Kg and 1,000 Kg of hazardous waste per month. A RCRA-CESQG is defined as a facility that generates less than 100 Kg of hazardous waste, or less than 1 Kg of acutely hazardous waste per month.

Federal Engineering Control / Institutional Control Registries
The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Emergency Response Notification System (ERNS)
ERNS is a national database used to collect information regarding reported releases of petroleum products and/or hazardous substances. The database contains information from spill reports submitted to Federal agencies, including the EPA, the U.S. Coast Guard, the National Response Center, and the U.S. Department of Transportation. A review of this database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property.

Detail Summary	
Site Name:	TEAM ONE ADVERTISING
Databases:	RCRA-SQG, FINDS, ECHO
Address:	1960 EAST GRAND AVE SUITE E
Distance:	Subject Property
Direction:	NA
Gradient:	NA
ID No.:	RCRA-SQG: CAD982504094 FINDS Registry ID:: 110002835175 ECHO Registry ID: 110002835175
Comments:	RCRA - former tenant, no violations found FINDS - link to RCRA program, Subject Property does not appear on any FINDS systems that report known or suspected contamination ECHO - former tenant, no violations found Based upon the absence of reported violations associated with this listing, the decommissioning of this facility, and the site conditions observed at the time of EBI's reconnaissance, the former database listings for Team One Advertising does not represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property.

Site Name:	REALITY ASSOCIATES FUND IX
Databases:	FINDS
Address:	1960 E GRAND AVE
Distance:	Subject Property
Direction:	NA
Gradient:	NA

ID No.:	FINDS Registry ID:: 110064930311
Comments:	FINDS - link to State Master program, Subject Property does not appear on any FINDS systems that report known or suspected contamination Based upon the absence of reported violations associated with this listing, the decommissioning of this facility, and the site conditions observed at the time of EBI's reconnaissance, the former database listing for Reality Associated Fund IX does not represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property.

Site Name:	MATTEL INC
Databases:	RCRA-SQG
Address:	1955 E GRAND AVE
Distance:	Adjacent
Direction:	North
Gradient:	Downgradient
ID No.:	CAD983655804
Comments:	RCRA - no violations found Based upon the absence of reported violations and conditions observed during EBI's reconnaissance, the identified adjacent RCRA Generator facility does not represent an environmental concern to the Subject Property.

Site Name:	RAYTHEON SPACE AND AIRBORNE SYSTEMS
Databases:	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF
Address:	2000 E. EL SEGUNDO BLVD
Distance:	0.188 mile
Direction:	Southeast
Gradient:	Crossgradient
ID No.:	CAD000633230
Comments:	SEMS - ARCHIVE: Discovery: 05/21/1991 Preliminary Assessment: Not reported Status: SEMS-ARCHIVE CORRACTS / RCRA-TSDF- (21) Violations: 09/06/1989 â€“ 06/22/2006 Dates of Compliance: 11/18/1991 â€“ 07/21/2006 Based upon the current regulatory status, distance and expected hydrogeologic gradient relative to the Subject Property, the identified facility does not represent an environmental concern to the Subject Property.

Federal Agency Database Records Summary

The remaining identified Federal Agency Database listings are not considered an environmental concern to the Subject Property based on one or more of the following rationale: absence of reported releases, current regulatory status, distance, presumed hydrogeologic gradient and/or nature/extent of contamination.

4.1.2 State and Tribal Agency Database Records

Annual Workplan Sites (AWP)
The California Department of Toxic Substance Control (DTSC) Annual Workplan Sites (AWP) identifies known hazardous substance release sites targeted for cleanup. The data source is the California Environmental Protection Agency.

California Hazardous Waste Sites (CalSites)
The California Hazardous Waste Sites (CalSites) database contains potential or confirmed hazardous substance release sites identified by the California Department of Toxic Substance Control (DTSC).

Proposition 65 Notification Records
Proposition 65 Notification Records contain facility notifications regarding any release that could potentially impact drinking water and thereby expose the public to a potential health risk.

Toxic Pits Cleanup Act Sites (Toxic Pits)
The Toxic Pits Cleanup Act Sites (Toxic Pits) database contains sites identified by the California Water Resources Control Board that are suspected to contain hazardous substances where cleanup has not yet been completed.

California Bond Expenditure Plan
The California Bond Expenditure Plan was developed by the California Department of Health Services as a site-specific expenditure plan for the appropriation of Hazardous Substance Cleanup Bond Act funds.

Hazardous Waste and Substances Sites List (Cortese)
The Hazardous Waste and Substance Site List (also known as the Cortese List) is a planning document used by the State, local agencies, and developers to comply with California Environmental Quality Act requirements in providing information regarding the location of hazardous materials releases. Government Code Section 65962.5 requires the California Environmental Protection Agency to develop at least annually an updated Cortese List. The California Department of Toxic Substance Control (DTSC) is responsible for preparing a portion of the information that comprises the Cortese List, and other state and local government agencies are required to provide additional hazardous material release information for the Cortese List.

Spill, Leaks, Investigations, and Cleanup (SLIC)
The Spills, Leaks, Investigations, and Cleanups (SLIC) database, maintained by the California Water Resources Control Board, includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Regional Water Quality Control Board (RWQCB) - Leaking Underground Storage Tanks (LUST)
The Regional Water Quality Control Board (RWQCB) maintains a database of reported Leaking Underground Storage Tank (LUST) Sites.

Facility Inventory Database (FID UST)
The California Environmental Protection Agency maintains a Facility Inventory Database (FID), which contains a historical registry of active and inactive underground storage tank (UST) locations reported by the California Water Resource Control Board.

Hazardous Substance Storage Container Database (HIST UST)
The Hazardous Substance Storage Container Database is a historical listing of UST sites maintained by the California Water Resources Control Board.

Statewide Environmental Evaluation and Planning System (SWEEPS)
The Statewide Environmental Evaluation and Planning System (SWEEPS) is an underground storage tank database that was updated and maintained by a company contacted by the State Water Resource Control Board in the early 1980s. The listing no longer updated or maintained.

Solid Waste Information System (SWIS)
Solid Waste Information System (SWIS) records typically contain an inventory of solid waste facilities or landfills identified by the Integrated Waste Management Board. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Waste Management Unit Database / Solid Waste Assessment Test (WMUDS/SWAT)
The Waste Management Unit Database (WMUDS) is used by the California Water Resources Control Board and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

California Hazardous Material Incident Report System (CHMIRS)
The California Hazardous Material Incident Report System (CHMIRS) contains information regarding reported hazardous material incidents (i.e. accidental releases or spills). The data source is the California Office of Emergency Services.

Hazardous Waste Information system (HAZNET)

The California Environmental Protection Agency maintains a list of facilities that issue hazardous waste manifests. The source of the manifest records is the California Department of Toxic Substance Control (DTSC). Inclusion on the HAZNET database does not necessarily indicate the existence of an environmental concern, such as a release or spill incident.

Tribal Environmental Databases

The United States Bureau of Indian Affairs (BIA) is responsible for the administration and management of 55.7 million acres of land held in trust by the United States for American Indians, Indian tribes, and Alaska Natives. There are 562 federally recognized tribal governments in the United States. The environmental database report identifies tribal administered lands of the United States that have any area equal to or greater than 640 acres.

Detail Summary	
Site Name:	TISHMAN SPEYER PROPERTIES INC
Databases:	HAZNET
Address:	1960 E GRAND AVE
Distance:	Subject Property
Direction:	NA
Elevation:	NA
ID No.:	CAD028409019
Comments:	CA Waste Code: 551-Laboratory waste chemicals Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery Based upon the absence of reported violations, decommissioning of the tenant units and conditions observed during EBI's reconnaissance, the identified HAZNET facilities do not represent an environmental concern to the Subject Property.

Site Name:	TEAM ONE ADVERTISING
Databases:	HAZNET
Address:	1960 EAST GRAND AVE SUITE E
Distance:	Subject Property
Direction:	NA
Elevation:	NA
ID No.:	CAD108040858
Comments:	CA Waste Code: 541-Photochemicals / photoprocessing waste Method:-Recycler Based upon the absence of reported violations, decommissioning of the tenant units and conditions observed during EBI's reconnaissance, the identified HAZNET facilities do not represent an environmental concern to the Subject Property.

Site Name:	COMMONWEALTH GRAND AVENUE CORP
Databases:	HAZNET, CERS
Address:	1960 E GRAND AVE
Distance:	Subject Property
Direction:	NA
Elevation:	NA
ID No.:	CAD028409019 CAC002566252
Comments:	CA Waste Code: Various waste categories Method:-Off-site disposal CERS: Chemical Storage Facilities No open violations Based upon the absence of open violations, decommissioning of the tenant units and conditions observed during EBI's reconnaissance, the identified HAZNET facilities do not represent an environmental concern to the Subject Property.

Site Name:	REALITY ASSOCIATES FUND #9
Databases:	HAZNET
Address:	1960 E GRAND AVE
Distance:	Subject Property
Direction:	NA
Elevation:	NA
ID No.:	CAC002702990
Comments:	CA Waste Code: Various waste categories Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery Based upon the absence of reported violations, decommissioning of the tenant units and conditions observed during EBI's reconnaissance, the identified HAZNET facilities do not represent an environmental concern to the Subject Property.

Site Name:	MATTEL INC
Databases:	LUST, HIST CORTESE
Address:	1955 E GRAND AVE
Distance:	Adjacent
Direction:	North
Elevation:	Downgradient
ID No.:	T0603701269
Comments:	Potential Contaminants of Concern: Aviation Potential Media Affect: Soil Status Date: 02/02/1998 Status: Completed - Case Closed Based upon the current regulatory status, distance/presumed hydrogeologic gradient relative to the Subject Property, and reported nature/extent of contamination, the identified LUST site does not represent an environmental concern to the Subject Property.

Site Name:	GLOBAL SOLUTIONS
Databases:	LUST, RGA LUST
Address:	1955 GRAND AVE
Distance:	Adjacent
Direction:	North
Elevation:	Downgradient
ID No.:	T0603701269
Comments:	Potential Contaminants of Concern: Aviation Potential Media Affect: Soil Status Date: 02/02/1998 Status: Completed - Case Closed Based upon the current regulatory status, distance/presumed hydrogeologic gradient relative to the Subject Property, and reported nature/extent of contamination, the identified LUST site does not represent an environmental concern to the Subject Property.

Site Name:	UNITED AIRLINES
Databases:	SWEEPS UST
Address:	1955 E GRAND AVE
Distance:	Adjacent
Direction:	North
Elevation:	Downgradient
ID No.:	
Comments:	(1) UST of unidentified capacity / Contents Not Reported The 1995 East Grand Avenue adjacent property is cross-listed as Leaking Underground Storage Tank Site with a Completed - Case Closed Status issued by the RWQCB.

Site Name:	MATTEL TOYS
Databases:	UST
Address:	1955 E GRAND AVE.
Distance:	Adjacent
Direction:	North
Elevation:	Lower
ID No.:	
Comments:	USTs of unidentified capacity / Contents Not Reported Tank Status: Closed Tanks The 1995 East Grand Avenue adjacent property is cross-listed as Leaking Underground Storage Tank Site with a Completed - Case Closed Status issued by the RWQCB.

Site Name:	HUGHES AIRCRAFT CO CSG
Databases:	LUST, RGA LUST, HIST CORTESE, SWEEPS UST
Address:	1990 GRAND AVE E
Distance:	Adjacent
Direction:	East
Elevation:	Crossgradient
ID No.:	RB Case Number: R-13532
Comments:	Potential Contaminants of Concern: Aviation Potential Media Affect: Soil Status Date: 08/19/1996 Status: Completed - Case Closed SWEEPS UST - USTs of unidentified capacity / Contents Not Reported Tank Status: Active Based upon the current regulatory status, distance/presumed hydrogeologic gradient relative to the Subject Property, and reported nature/extent of contamination, the identified LUST site does not represent an environmental concern to the Subject Property.

Site Name:	HUGHES SPACE & COMMUNICATIONS
Databases:	UST
Address:	1990 E. GRAND AVENUE
Distance:	Adjacent
Direction:	East
Elevation:	Crossgradient
ID No.:	
Comments:	USTs of unidentified capacity / Contents Not Reported Tank Status: Closed Tanks The 1990 East Grand Avenue adjacent property is cross-listed as Leaking Underground Storage Tank Site with a Completed - Case Closed Status issued by the RWQCB.

Site Name:	RAYTHEON CO
Databases:	ENVIROSTOR
Address:	2000 E EL SEGUNDO BLVD
Distance:	0.188 mile
Direction:	Southeast
Elevation:	Crossgradient
ID No.:	Facility ID: 80001335
Comments:	Status: Active Status Date: 01/01/2008 Site Type: Corrective Action Potential Description : Soil Based upon the current regulatory status, distance/presumed hydrogeologic gradient relative to the Subject Property, and reported nature/extent of contamination, the identified ENVIROSTOR site does not represents an environmental concern to the Subject Property.

State and Tribal Agency Database Records Summary

The remaining identified State and Tribal Agency Database listings are not considered an environmental concern to the Subject Property based on one or more of the following rationale: absence of reported releases, current regulatory status, distance, presumed hydrogeologic gradient and/or nature/extent of contamination.

4.1.3 Local Regulatory Agency Records

Local municipal offices consulted during the completion of this assessment included the following:

City of El Segundo Building Department
EBI reviewed available files regarding the Subject Property at the City of El Segundo Building Department for information regarding past uses of the Subject Property. The original building permits and certificates of occupancy for the existing building were not readily available for review. The review of Building Department records did not identify past uses of the Subject Property that would constitute a recognized environmental condition.

City of El Segundo Fire Department
EBI has submitted a written request to City of El Segundo Fire Department for information regarding the generation, transportation, storage, treatment, disposal, and/or spills or releases of hazardous substances or petroleum products at the Subject Property, in accordance with the Freedom of Information Act (FOIA). As of the date of this report, EBI has not received a response to this inquiry. Upon receipt of the agency response, if the provided information has a material effect on the findings of this report, EBI will forward this information as an addendum to this report. If no response is received, or no material information is identified, our report will not be modified.

Department of Toxic Substance Control (DTSC)
EBI reviewed available information posted on the DTSC website, http://www.envirostor.dtsc.ca.gov/public/search.asp?basic=True. The Subject Property was not identified as a cleanup site.

Regional Water Quality Control Board
EBI reviewed available information posted on the Regional Water Quality Control Board, Geotracker website, http://geotracker.waterboards.ca.gov/. The Subject Property is not listed as a UST, LUST, Spills, or Other Cleanup site.

4.1.4 Vapor Migration

EBI conducted a vapor migration screening survey of the Subject Property. EBI's site observations and review of the environmental database report (cited in Section 4.1) did not identify any conditions on the Subject Property or on adjoining properties that would indicate a REC relative to vapor migration at the Subject Property.

This vapor migration screening was conducted in accordance with ASTM E1527-13 and is not intended to satisfy the requirements of ASTM E2600-15. The scope of this screening was limited to visual observations and review of the environmental database report and did not include the collection and laboratory analysis of air samples to confirm or refute the presence of airborne contaminants by vapor intrusion.

4.2 HISTORICAL USE OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

EBI attempted to determine the history of the Subject Property dating back to 1940 or first developed use.

No environmentally significant conditions were identified on the Subject Property or surrounding properties during the historical review. The historical use of the Subject Property and surrounding area is summarized in the following sections.

4.2.1 Aerial Photographs and Maps

Historical aerial photographs and historical fire insurance maps may be used to evaluate changes in land use and to identify visible/labeled areas of potential environmental concern. Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. Other notable features such as woods, pipelines, municipal boundaries, and areas of filled land are often marked on topographic maps.

A search for historical aerial photographs, historical fire insurance maps and historical topographic maps depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). The EDR Report indicated that fire insurance map coverage for the vicinity of the Subject Property was not available. A copy of the search documentation letter is presented in Appendix F. Historical images depicting the Subject Property reviewed are summarized in the following table. Copies of the images are presented in Appendix F.

AERIAL PHOTOGRAPH AND MAP SUMMARY			
Period	**Subject Property Historical Uses**	**Surrounding Area Historical Uses**	**Source(s)**
1896	No structures or other notable features are depicted on the Subject Property.	No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.	Topographic Maps
1923	The Subject Property appears to consist of cleared, undeveloped land.	The surrounding properties to the north, east, south, and west are cleared, undeveloped land.	Aerial Photographs
1924	No structures or other notable features are depicted on the Subject Property.	No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.	Topographic Maps
1928	Conditions on the Subject Property appear to be similar to those depicted on the 1923 photograph, with the exception that a small structure and what appears to be a pond are visible on the northern portion of the Subject Property.	Conditions on the surrounding properties appear to be similar to those depicted on the 1923 photograph, with the exception that small structures are visible on the surrounding properties to the north and east.	Aerial Photographs
1930	No structures or other notable features are depicted on the Subject Property.	No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.	Topographic Maps
1938	Conditions on the Subject Property appear to be similar to those depicted in the 1928 photograph, with the exception that a structure is visible on the southeastern portion of the Subject Property.	Conditions on the surrounding properties appear to be similar to those depicted in the 1928 photograph, with the exception that a structure, apparently an oil derrick, is visible on the property to the west.	Aerial Photographs
1948	No structures or other notable features are depicted on the Subject Property.	No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.	Topographic Maps
1950	Access roads are depicted running across the Subject Property.	Conditions on the surrounding properties appear to be similar to those depicted on the 1948 map, with the exception that small roadways are depicted on the properties to the east, south, and west. Small structures are depicted	Topographic Maps

		on the properties to the east, and a substation is identified on the property to the west.	
1947, 1953	Conditions on the Subject Property appear to be similar to those depicted in the 1928 photograph, with the exception that a structure is visible on the southeastern portion of the Subject Property.	Conditions on the surrounding properties appear to be similar to those depicted in the 1928 photograph, with the exception that a structure, apparently an oil derrick, is visible on the property to the west.	Aerial Photographs
1963	No structures or other notable features are visible on the Subject Property.	No structures or other notable features are visible on the surrounding properties to the north, east, south, and west.	Aerial Photographs
1964	Conditions on the Subject Property appear to be similar to those depicted on the 1950 map.	Conditions on the surrounding properties appear to be similar to those depicted on the 1950 map, with the exception that oil wells are identified to the northeast of the Subject Property.	Topographic Maps
1972	Conditions on the Subject Property appear to be similar to those depicted in the 1963 photograph.	A roadway, trending east to west, is visible to the north, beyond which is vacant land. A paved parking lot is visible to the south. No structures or other notable features are depicted on the properties to the east and west.	Aerial Photographs
1972, 1981	No structures or other notable features are depicted on the Subject Property.	A roadway, trending east to west, is depicted to the north. No structures or other notable features are depicted on the surrounding properties to the east, south, and west.	Topographic Maps
1983	The Subject Property appears to be occupied by a parking lot.	Conditions on the surrounding properties appear to be similar to those depicted in the 1972 photograph, with the exception that commercial structures are visible to the east and west. A commercial structure is visible beyond the roadway to the north.	Aerial Photographs
1989, 1994, 2005	A rectangular commercial structure is visible on the northeastern portion of the Subject Property, with a second commercial structure, a parking garage, on the southwestern portion of the Subject Property. The northwestern portion of the Subject Property appears to be occupied by a paved parking lot. Landscaping is visible on the southeastern portion of the Subject Property.	Conditions on the surrounding properties appear to be similar to those depicted in the 1983 photograph.	Aerial Photographs
2012	The map depicts topography and infrastructure; distinct buildings are not shown.	The map depicts topography and infrastructure; distinct buildings are not shown.	Topographic Maps
2016	The Subject Property appears as it does today with the existing office development and parking structure.	Surrounding properties appear as they do today as described in Section 2.5.	Aerial Photographs

4.2.2 Street Directories

Street directories are commercial publications containing names and addresses, and in many cases, occupations of the occupants of a particular community. The directories may also contain information pertaining to business processes conducted within a community. A search for historical street directories was conducted by Environmental Data Resources, Inc. (EDR). Historical street directories were reviewed and are summarized in the following table. Copies of the street directories are presented in Appendix F.

STREET DIRECTORY SUMMARY		
Year	**Issues Noted**	**Occupants**
1990, 1991, 1995, 2000, 2001, 2010, 2014	No	Various office tenants.

4.2.3 Recorded Land Title Records

Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A "chain of title" is a continuous record of ownership for a specific parcel. A 50-year chain of title search was not included in the scope of work for this assessment.

4.2.4 Property Tax Records

Property records for the Subject Property were obtained at the Los Angeles County Assessor's Office. The property records identify the current owner as BSREP II Grand Avenue LLC. Assessor's Office records indicate that the existing buildings were constructed in 1987. A listing of the former Subject Property owners was not available for review.

4.2.5 Environmental Liens and Activity and Use Limitations

A search for Environmental Liens and Activity and Use Limitations was not included in the scope of this assessment.

4.2.6 Previous Environmental Reports

EBI was provided with the following previous environmental reports performed for the Subject Property. Relevant information from the previous reports is discussed in the appropriate sections of this report, and portions of the previous reports are presented in Appendix H.

Phase I Environmental Site Assessment, Grand Avenue Courtyard, 1960 East Grand Avenue, El Segundo, California, prepared by EBI Consulting, Inc. (EBI) of Burlington, Massachusetts, dated February 13, 2017

The EBI Report was completed in general conformance with ASTM Standard E 1527-13. The scope of the EBI Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local environmental records, review of the physical characteristics and history of the Subject Property, and a limited visual survey for the presence of asbestos-containing materials (ACM). The following information was presented in the EBI Report:

- At the time of the EBI Report, the Subject Property was improved with one office building and a parking garage which were constructed in 1987. The subject buildings are situated on two parcels, comprising approximately 5.37-acres.

- At the time of assessment, the existing structure was occupied by 63 commercial office tenants. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Based upon review of historical resources dating back to the 1890s (aerial photographs, USGS topographical maps), EBI reported that the Subject Property was vacant, undeveloped land prior to construction of the existing improvements in 1987.

- EBI did not identify evidence of existing or former underground storage tanks (USTs) at the Subject Property.

- EBI reported that two (2) 120-gallon diesel fuel aboveground storage tanks (ASTs) were in use to support the firewater pump system. The ASTs are located in the fire pump room on the first floor of the office building. EBI also identified one (1) 120-gallon diesel AST associated with an emergency generator. The AST is double-walled steel and is located below the generator in a room on the first floor of the building. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floors in the vicinity of the ASTs.

- EBI identified one electrical transformer room on the first floor of the office building. The transformer room was not accessible during the survey. EBI identified one pad-mounted transformer adjacent to the parking garage at the Subject Property. EBI reported that no staining or other evidence of a release of dielectric fluid was observed in the vicinity of the transformer room or transformers. EBI did not observe labeling on the transformers identifying PCB content. EBI reported that the transformers were owned and operated by the public electrical utility company, Southern California Edison.

- EBI reported that the office building was serviced by five overhead traction elevators; and, the parking garage was serviced by two overhead traction elevators.

- EBI reported that hazardous substances and/or petroleum products identified at the Subject Property was limited to commonly available janitorial and cleaning supplies located in the storage shed, storage rooms, and maintenance office, including interior latex paint, mineral spirits, household cleaners, and water treatment chemicals associated with the closed-loop heating/cooling system. Areas of chemical storage were reported to be well maintained and free of spills, staining, or other indications of a release.

- EBI reviewed previous Phase I ESA reports (Clayton - January 2007, AECOM - August 2010, EBI - October 2016), and a letter prepared by Krazan & Associates, Inc. (Krazan), addressing concentrations of petroleum hydrocarbons previously detected in soil at the Subject Property. According to Krazan, soil samples collected from the site in July 2008 were submitted for laboratory analysis of total recoverable petroleum hydrocarbons (TRPH). The laboratory results identified TRPH at a concentration of 43 milligrams per kilogram (mg/kg) in soil. Krazan concluded that the TRPH encountered was insignificant. The prior Clayton report stated that petroleum hydrocarbon odors and stains were noted at the property during soil sampling from 1981 through 1986, prior to development. The contamination was deemed to be associated with the historical use of the property and immediate vicinity as part of an oil field in approximately the 1920s through the 1950s. Based upon review of available information, the historic contamination identified on the Subject Property is considered to represent a *de minimis* condition and no further action is recommended.

- Based upon review of the environmental database report, EBI identified no on-site or off-site facilities that were considered likely to have impacted the Subject Property.

- EBI conducted a limited visual survey for the presence of asbestos-containing materials (ACM). The following suspect materials were identified: sheetrock/joint compound composite material and 2'x4' white perforated acoustical ceiling tile, vinyl floor tile and associated mastic, sheet vinyl flooring and associated mastic, and various construction mastics and caulking. These materials were observed to be undamaged and in good condition at the time of assessment.

Based upon the findings of the Phase I Environmental Site Assessment, EBI did not identify any recognized environmental conditions (RECs) associated with the Subject Property. EBI recommended no further action or investigation.

4.2.7 Other Historical Records and Interviews

Mr. Rodger Aube, Building Engineer, was interviewed to obtain information regarding the history of the Subject Property. Mr. Aube reported that he has been familiar with the Subject Property for less than a year and that the existing building was constructed in 1987. Mr. Aube was unaware of any spills, leaks or other hazardous materials incidences having occurred on the Subject Property.

5.0 SUBJECT PROPERTY RECONNAISSANCE

The Subject Property reconnaissance was conducted by Mike Monis, EBI Field Assessor, on October 3, 2019. Mr. Monis was accompanied by and interviewed Mr. Rodger Aube, the Subject Property Building Engineer.

5.1 METHODOLOGY AND LIMITING CONDITIONS

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares. Building exteriors were observed along the perimeter from the ground, unless described otherwise. Building interiors were observed as they were made safely accessible, unless described otherwise.

At the time of the survey, the weather was sunny and approximately 65º Fahrenheit. During the survey, representative common areas, office units, mechanical spaces, and/or equipment and building components were observed, and approximately 10% of the units were surveyed. There were no significant portions of the Subject Property that were inaccessible or excluded from this survey.

5.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

5.2.1 Hazardous Substances and Petroleum Products (Identified Uses)

Notable hazardous substances or petroleum products in connection with identified uses observed at the Subject Property are described below.

HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS			
General Type of Material	**Approximate Quantity / Container / Material**	**Location**	**Storage Condition**
Cleaning Compounds and Janitorial Supplies	Various sized containers, ranging from aerosol cans to five-gallon pails	Janitorial Closets and Maintenance Shed	Good: No leaks or spills
HVAC Treatment Compounds	(2) 45-gallon drums: anti-freeze and microbicides (3) 5-gallon pails: microbicides	Mechanical Penthouse	Good: No leaks or spills

EBI did not identify evidence of significant leaks, spills, or the improper handling of petroleum or hazardous substances that might impact the environmental condition of the Subject Property. The facility maintains a Spill Prevention, Control and Countermeasure (SPCC) Plan for handling materials in use at the Subject Property. It should be noted that a compliance audit was beyond the scope of work for this assessment and was not performed.

5.2.2 Hazardous Substances and Petroleum Products (Unidentified Uses)

EBI did not observe evidence of hazardous substance or petroleum products containers at the Subject Property that were not in connection with identified uses.

5.2.3 Unidentified Substances Containers

EBI did not observe evidence of unidentified substances containers at the Subject Property.

5.3 WASTE GENERATION, STORAGE, AND DISPOSAL

EBI identified the following waste streams generated at the Subject Property:

WASTE GENERATION, STORAGE, AND DISPOSAL			
Classification	**Type of Waste / Generation Process**	**Type of Storage / Location**	**Disposal Method / Contractor**
Non-regulated Solid Waste	Municipal Solid Waste / Routine Site Operations	2 Solid Waste Dumpsters (Trash Storage Room)	Athens Services
Non-regulated Solid Waste	Cardboard Recyclables / Routine Site Operations	1 Recycling Dumpster (Trash Storage Room)	Contracted service provider
Non-regulated Liquid Waste	Sanitary Sewage / Routine Site Operations	NA (Municipal Sanitary Sewer)	City of El Segundo
Regulated Solid or Liquid Waste	Spent fluorescent tubes, ballasts, and lead-acid batteries / Routine Site Operations and Maintenance	Cardboard Bins (Receiving Dock)	Contracted service provider
Biomedical Waste	None identified	NA	NA

No evidence of improper solid waste management or the improper disposal of hazardous substances or petroleum products was observed at the time of reconnaissance.

5.4 UNDERGROUND STORAGE TANKS (USTS) & ABOVEGROUND STORAGE TANKS (ASTS)

5.4.1 Existing Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of existing USTs located at the Subject Property. EBI identified the following ASTs located at the Subject Property.

STORAGE TANKS						
Capacity	**Contents**	**Location**	**Year Installed**	**Construction Materials**	**Leak Detection / Prevention**	**Staining / Releases**
(2) 120-gallon ASTs	Diesel Fuel	Ground Floor Fire Pump Room	Unknown	Single-wall steel tank(s)	Concrete block secondary containment basin	None
(1) 120-gallon AST	Diesel Fuel	Ground Floor Emergency Generator Room	Unknown	Single-wall steel tank(s)	Concrete block secondary containment basin	None

Two diesel-fired fire pumps and associated 120-gallon ASTs are located on the ground floor of the existing office building. The fire pumps and ASTs are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

One diesel-fired emergency generator and associated 120-gallon AST are located on the ground floor of the existing office building. The generator and AST are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

5.4.2 Former Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of former USTs or ASTs located at the Subject Property.

5.5 OIL-CONTAINING EQUIPMENT AND POLYCHLORINATED BIPHENYLS (PCBS)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution in commerce of PCBs was banned for use in 1979 by the United States Congress, which

enacted the Toxic Substance and Control Act (TSCA). In accordance with US Code of Federal Regulations Title 40 - Protection of Environment, Chapter 1 - Environmental Protection Agency, Subchapter R - Toxic Substance Control Act (TSCA), Part 761 - Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, the owner of a transformer or other PCB-containing equipment is responsible for equipment maintenance and remediation in the event of a leak or release.

Based upon the date of construction (1987), no potential PCB-containing equipment was identified at the Subject Property. However, the following oil-containing equipment was identified at the Subject Property:

OIL-CONTAINING EQUIPMENT			
Classification	**Type of Equipment**	**Year Installed / Location**	**Staining / Releases Identified**
Transformers and Fluid-Containing Electrical Equipment	(1) Electrical Transformer [Southern California Edison]	1987 / Transformer vault, Ground Floor of office building	No
Transformers and Fluid-Containing Electrical Equipment	(1) Pad-mounted Electrical Transformer [Southern California Edison]	1987 / North of Parking Garage	No

EBI observed one pad-mounted electrical transformer located on the central portion of the Subject Property, adjacent to the parking garage. The transformer appeared to be in good condition, and no staining or other evidence of a release of dielectric fluid was observed in the vicinity of the transformer unit. The transformer unit is owned and operated by the regional electrical utility provider, Southern California Edison. In the event of a release of dielectric fluid from one of its transformers, the utility company typically conducts regulatory response actions and cleanup.

One electric transformer is reportedly located within a utility vault on the eastern side of the ground floor of the office building. The transformer unit is reportedly owned and operated by the regional electrical utility provider, Southern California Edison. The transformer vault was sealed by the electric utility and was not accessible at the time of reconnaissance. In the event of a release of dielectric fluid from one of its transformers, the utility company typically conducts regulatory response actions and cleanup

5.6 ADDITIONAL SITE CONDITIONS

The following is a summary of visual and/or physical observations of the Subject Property on the day of the site visit. Photographs of pertinent Subject Property features are presented in Appendix A.

ADDITIONAL SITE CONDITIONS	
Condition	**Identified**
Interior Drains, Trenches, or Sumps	Yes
Interior Stains or Corrosion	No
Unusual Odors	No
Interior Pools of Liquid	No
Stained Soil or Pavement	No
Stressed Vegetation	No
Indications of Solid Waste Disposal	No
Exterior Pits, Ponds, or Lagoons	Yes
Wastewater or Stormwater Discharge/Disposal	Yes
Oil-Water Separators or Clarifiers	No
Septic Systems or Cesspools	No
Wells (Drinking Water Wells, Monitoring Wells, Agricultural/Irrigation Wells, or Process Water Wells)	No
Petroleum or Natural Gas Pipelines/Easements	No

Floor drains were observed in the restrooms. Floor drains and a sump pit were also observed in the parking garage. The floor drains and sump pit reportedly discharge to the municipal sewer system. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of these structures.

A decorative pond is located on the southeastern portion of the Subject Property. No staining or other evidence of a release was observed in the vicinity of this feature.

The ground surface outside the building is relatively flat. Stormwater runoff from the asphalt-paved parking areas on the northwestern and eastern portions of the Subject Property discharges to catch basins located along Grand Avenue. The catch basins are associated with the municipal stormwater sewerage system, operated by the City of El Segundo. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of the stormwater drainage features.

6.0 INTERVIEWS

The site contact or Key Site Manager was contacted to be interviewed to obtain information regarding recognized environmental conditions in connection with the property. Additionally, a Pre-Survey Questionnaire was forwarded to the designated Subject Property contact. The Pre-Survey Questionnaire has been completed and returned to our offices. The information requested in the Pre-Survey Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. The Pre-Survey Questionnaire and any accompanying documentation is presented in Appendix C.

INTERVIEWS			
Contact / Affiliation	**Date of Communication**	**Years Associated with the Subject Property**	**Telephone No.**
Mr. Rodger Aube Chief Engineer Able Services	10/03/2019	<1	310.414.0014
Ms. Ivy Le Property Manager Cushman & Wakefield	10/03/2019	2	310.414.0014

Pertinent information from the interviews is presented in applicable sections of this report.

7.0 CONSIDERATIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-13

The following sections address environmental issues or considerations at the Subject Property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM Practice E 1527-13 (non-scope considerations).

7.1 ASBESTOS-CONTAINING MATERIAL (ACM)

Asbestos is a term used to describe a group of six naturally occurring crystalline fiber minerals. Asbestos has excellent thermal stability, a high degree of tensile strength, and has been used extensively in the textile, insulation, and building industries, particularly as a component in fireproofing, decorative coatings, insulation materials, and as reinforcement for plaster binders in building products. Asbestos-containing building materials are generally classified as friable or non-friable. Friable materials are those that can be crumbled, pulverized, or reduced to powder by hand pressure, or by normal use or maintenance can be expected to emit asbestos fibers into the air. Non-friable ACM is a potential concern if it is damaged by maintenance work, demolition, or other activities, at which time it may be considered friable.

Based upon the date of construction (1987) and in accordance with the scope of work for this assessment, EBI did not conduct a survey for the presence of ACM.

7.2 RADON

Radon is a naturally-occurring, colorless and odorless radioactive gas that is generated primarily in granitic rocks. The United States Surgeon General has published information that radon is a cause of lung cancer. Radon usually enters a building through openings in the foundation, and therefore is a potential health concern to residents of the lowest level of a building with inadequate ventilation.

The EPA Map of Radon Zones indicates that Los Angeles County is located within a Zone 2 radon area. Zone 2 is defined as an area that has a moderate potential for radon gas, with a predicted average indoor radon screening level between 2.0 picoCuries per liter (pCi/L) and 4.0 pCi/L. The EPA recommended Action Level for radon is 4.0 pCi/L.

Based upon the non-residential nature of the Subject Property and in accordance with the scope of work for this assessment, EBI did not conduct a limited short-term radon screening at the Subject Property.

7.3 LEAD-BASED PAINT (LBP)

Use of lead in household paint was banned by the U.S. Environmental Protection Agency (EPA) effective January 1, 1978. The EPA and the U.S. Department of Housing and Urban Development (HUD) consider lead-based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm^2) or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

Based on the non-residential use of the existing buildings and in accordance with the scope of work of this assessment, a lead-based paint (LBP) screening was not conducted at the Subject Property.

7.4 LEAD IN DRINKING WATER

Lead has historically been used in pipes, solder, and brass fixtures used in water distribution systems and building plumbing systems. In 1986, EPA banned the use of lead at concentrations exceeding 0.2% lead in solder and 8% lead in other plumbing materials. Lead in drinking water results primarily from corrosion of lead containing materials in service lines or from corrosion of lead containing materials in building plumbing systems such as lead solder, brass, bronze, and other lead containing alloys. The EPA Action Level for lead in public drinking water supplies is 0.015 parts per million (ppm) or 0.015 milligrams per liter (mg/L).

Municipal water service is provided to the Subject Property by the City of El Segundo. Potable water is reportedly obtained from West Basin Municipal Water District, who in turn receives its water from the Metropolitan Water District of Southern California (MWD). MWD's water sources include both the

Colorado River and from the Sacramento-San Joaquin Delta in Northern California. Based upon review of the 2019 Annual Drinking Water Quality Report, the municipal water supply meets all current criteria established by the Safe Drinking Water Act (SDWA) and local municipal drinking water standards, including those for lead. Based upon the existing municipal water service and in accordance with the scope of work for this assessment, EBI did not conduct lead-in-drinking water sampling at the Subject Property.

8.0 FINDINGS AND OPINIONS

This assessment has identified no evidence of *recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), controlled recognized environmental conditions (CRECs),* or *considerations outside the scope of ASTM Practice E 1527-13* in connection with the Subject Property.

The following *de minimis conditions* were identified:

- EBI identified a letter, prepared by Krazan & Associates, Inc. (Krazan), addressing concentrations ofpetroleum hydrocarbons previously detected in soils at the Subject Property. Soil samples collected from the site in July 2008 were submitted for laboratory analysis, and total recoverable petroleum hydrocarbons (TRPH) concentrations of 43 milligrams per kilogram (mg/kg) were reportedly found in the soil and were determined to be insignificant. This letter was also identified during a previous Phase I ESA performed by AECOM and further discussion of this letter is provided in Section 4.3.6. Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986, prior to development of the Subject Property. The contamination was deemed to be associated with the historical use of the subject property and immediate vicinity as part of an oil field in approximately the 1920s through 1950s. Based upon review of available information, the historic contamination identified on the Subject Property is considered to represent a de minimis condition and no further action is recommended.

9.0 RECOMMENDATIONS

Based upon the findings of this investigation, no further action is recommended.

10.0 REFERENCES

Source Reviewed	Date(s)	Source Details
ASTM Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.	2013	
EDR Aerial Photo Decade Package (Inquiry Number 5796768.8S) Ship Date: September 19th, 2019	1923, 1928, 1938, 1947, 1953, 1963, 1972, 1977, 1983, 1989, 1994, 2002, 2005, 2009, 2012, 2016	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR City Directory Abstract (Inquiry Number 5796768.5S) Ship Date: September 20th, 2019	1920, 1921, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1942, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1954, 1955, 1956, 1957, 1958, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1969, 1970, 1971, 1972, 1975, 1976, 1980, 1981, 1985, 1986, 1990, 1991, 1992, 1995, 1996, 1999, 2000, 2001, 2003, 2004, 2006, 2010, 2014	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Historical Topo Map (Inquiry Number 5796768.4S) Ship Date: September 19th, 2019	1896, 1923, 1924,1924,1924, 1930,1934,1934, 1948, 1950,1950, 1964,1964, 1972,1972, 1981,1981, 2012,2012	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Sanborn Map Search/Print (Inquiry Number 5796768.3S) Ship Date: September 19th, 2019		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Radius Map Report (Inquiry Number 05796768.2R) Ship Date: September 20th, 2019		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
Phase I Environmental Site Assessment, 1960 East Grand Avenue, El Segundo, California	February 13, 2017	EBI Consulting (EBI), of Burlington, Massachusetts

Appendix A

Photographs

1 : Subject Property - northeast elevation

2 : Southwest elevation

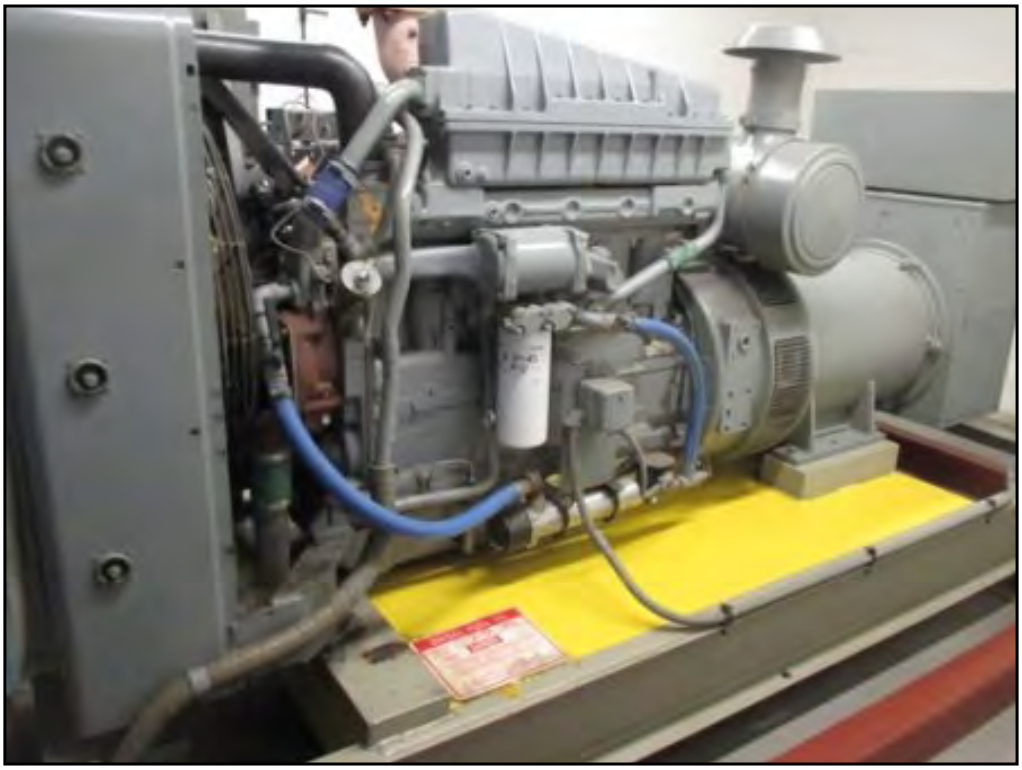
3 : Parking garage

4 : HVAC treatment chemicals

5 : Dumpster enclosure

6 : Diesel fuel AST

7 : Diesel fuel AST

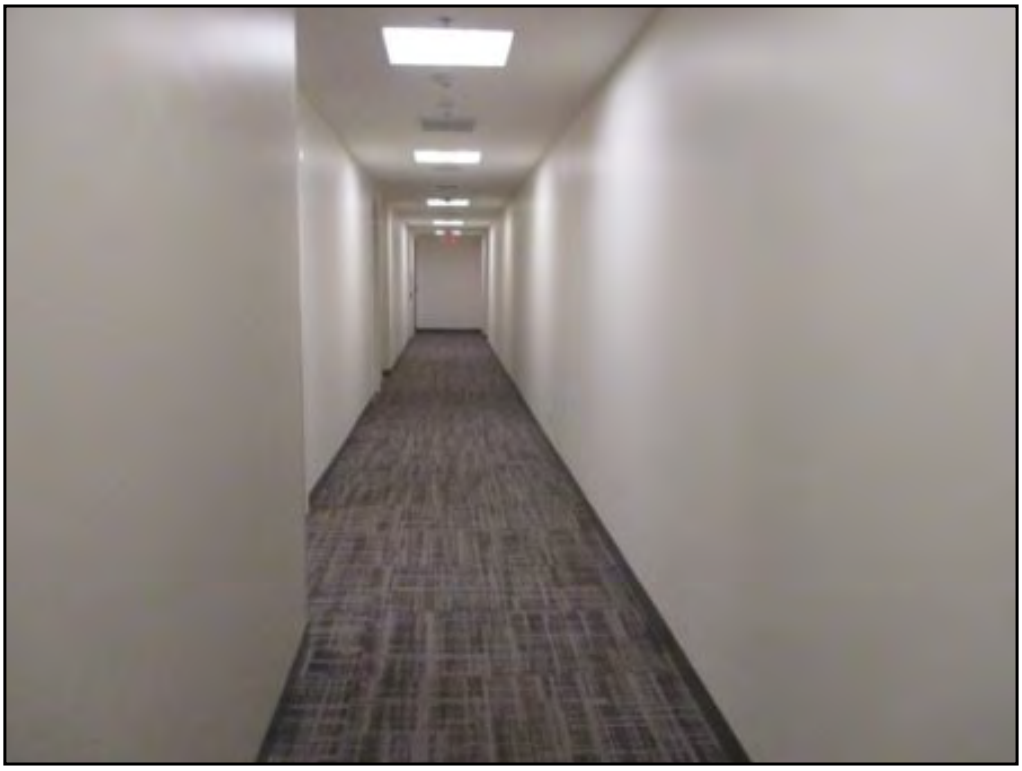


8 : Emergency generator diesel fuel AST.

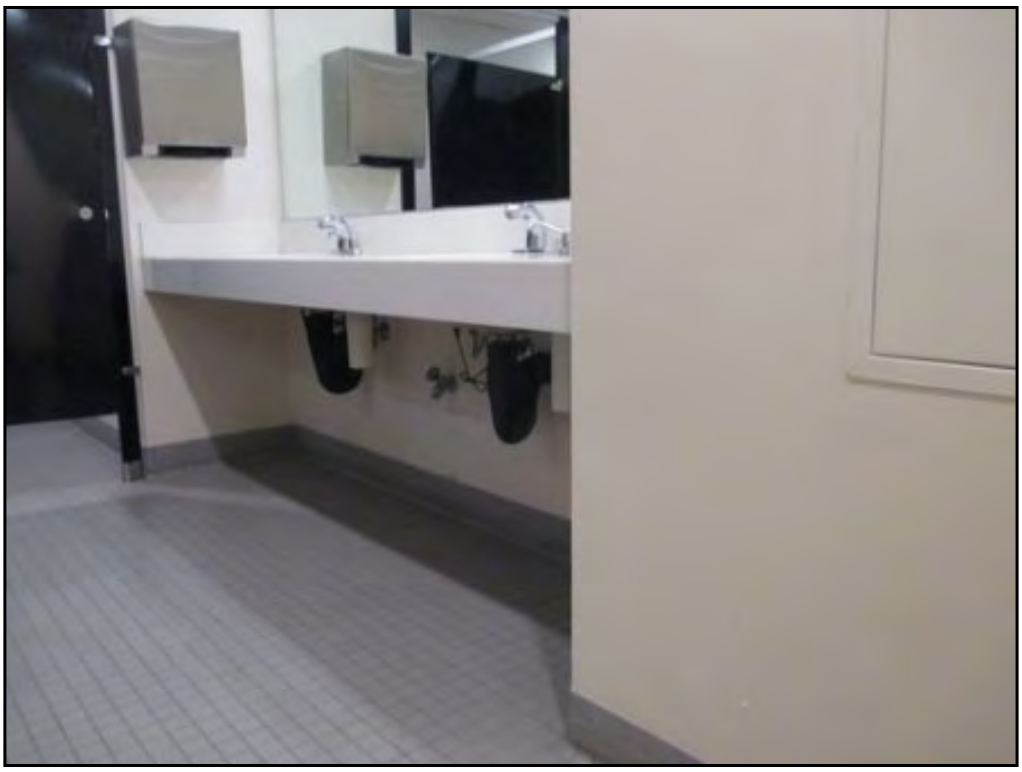
9 : Pad-mounted transformer at garage

10 : Elevator machine room

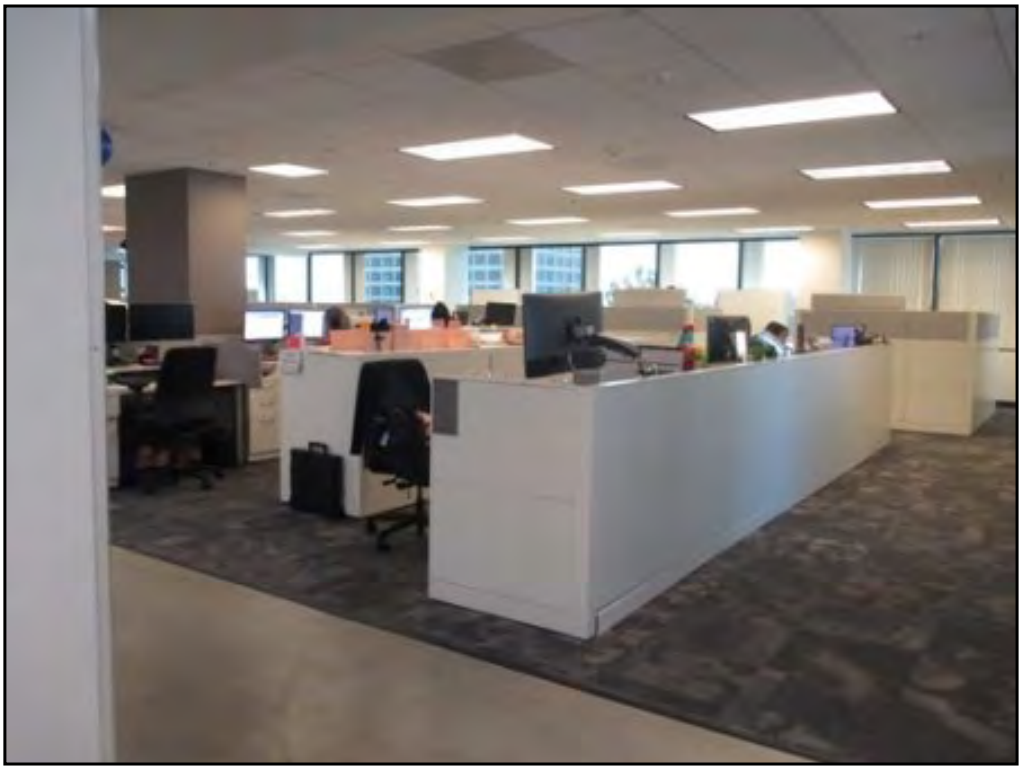
11 : Sump pit in parking garage



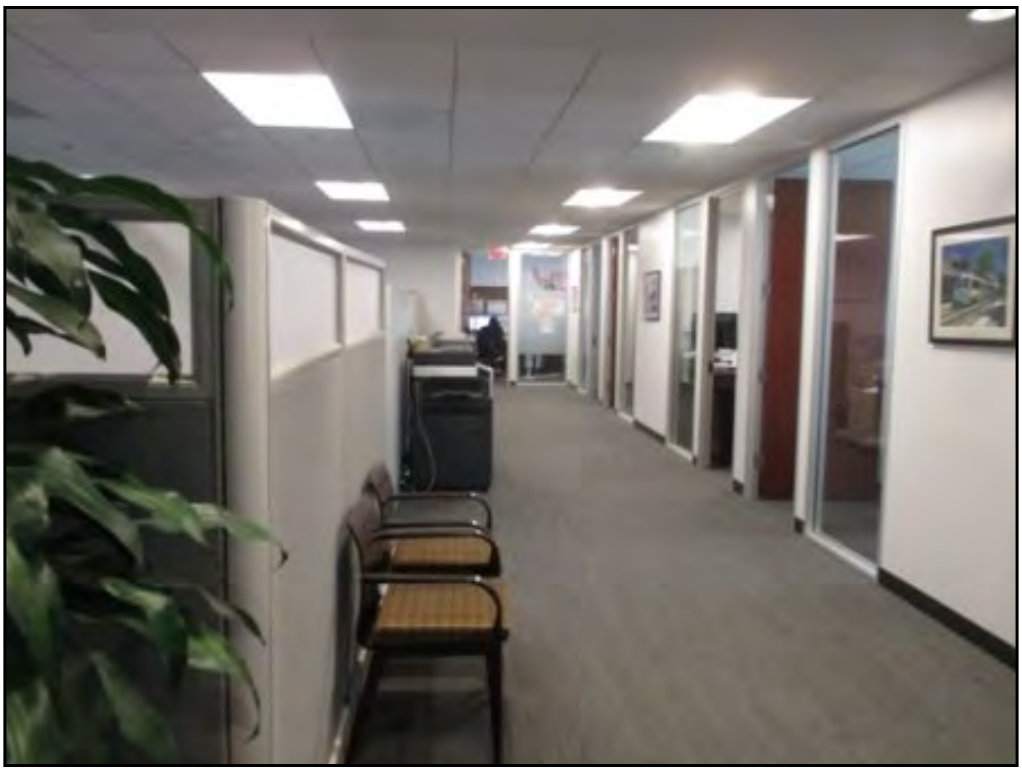
12 : Interior finishes



13 : Interior finishes



14 : Interior finishes



15 : Interior finishes

16 : Interior finishes

17 : Properties to the north

18 : Property to the south

19 : Properties to the east

20 : Property to the west

Appendix B

Figures

Image Provided By ESRI Street Map

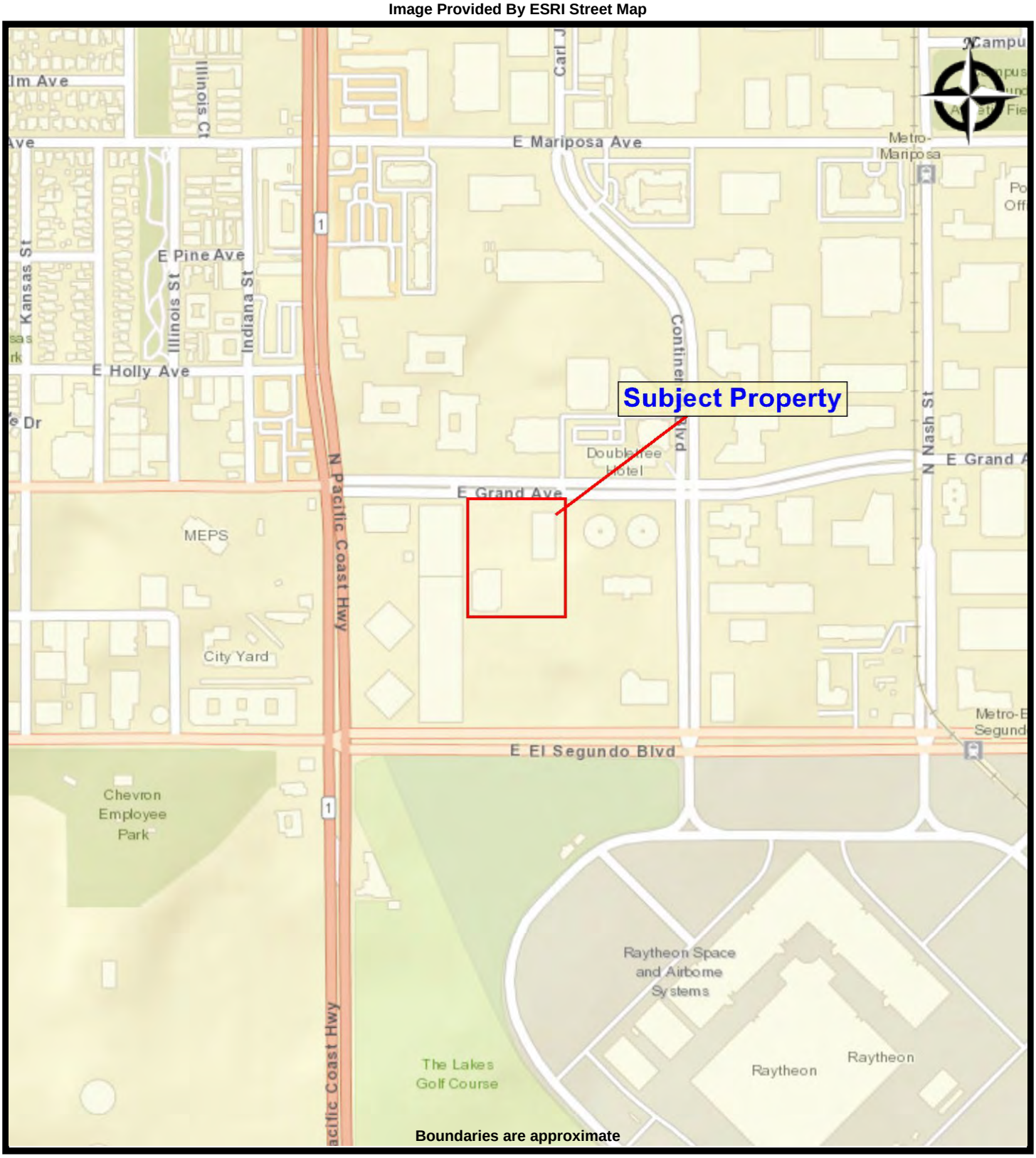


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FIGURE 1 - STREET MAP
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps

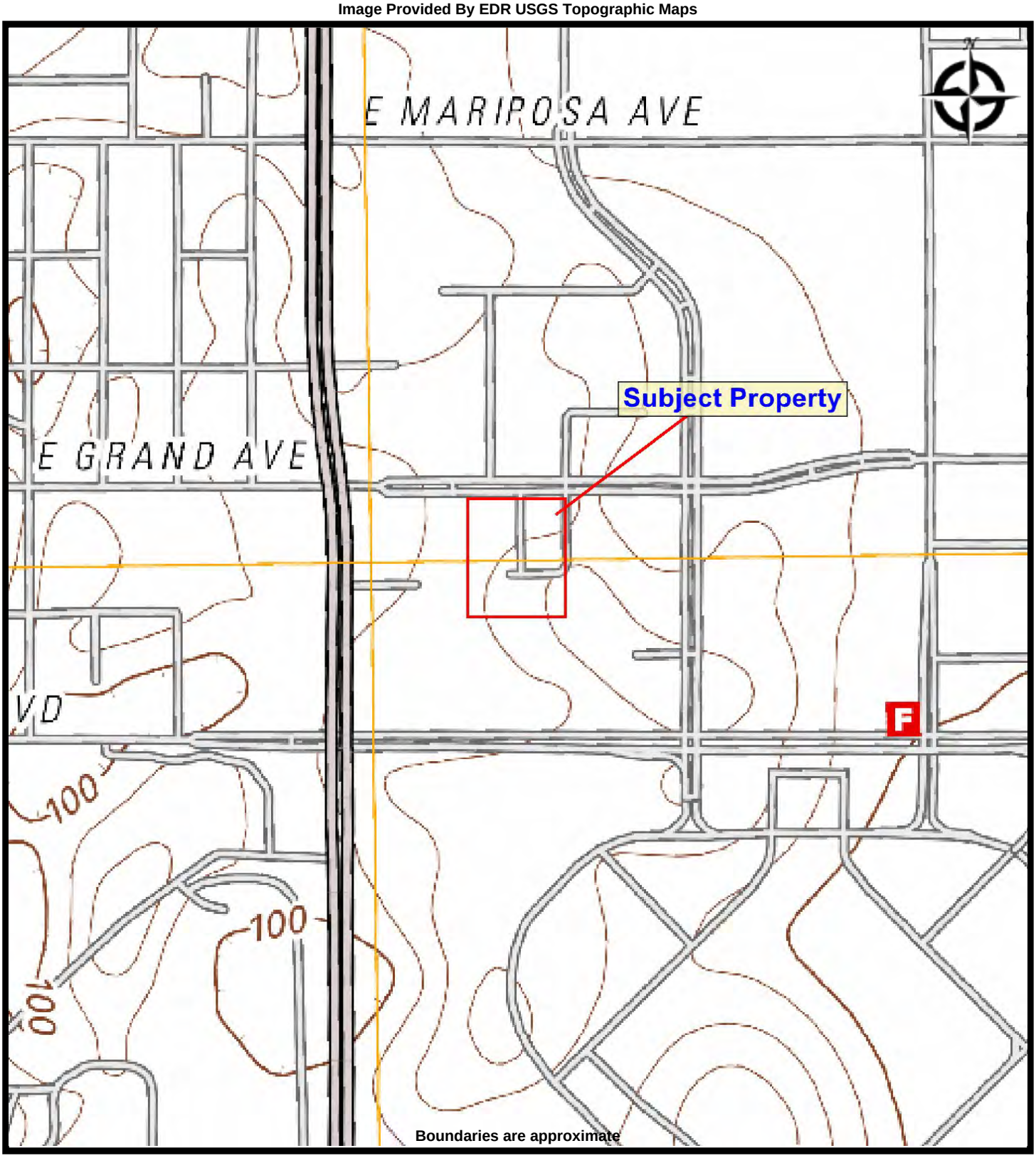

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FIGURE 2 - TOPOGRAPHIC MAP
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR Aerials

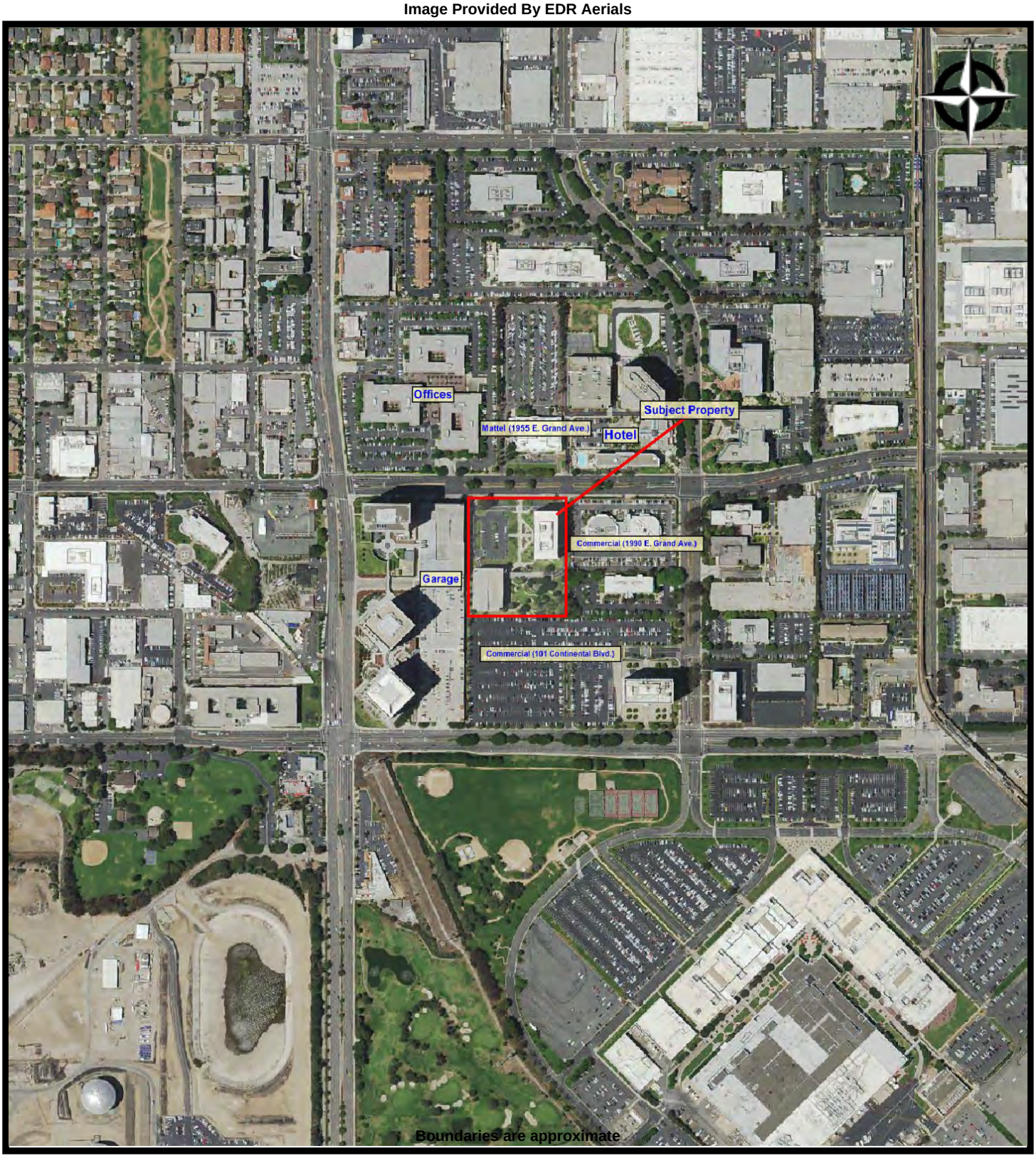

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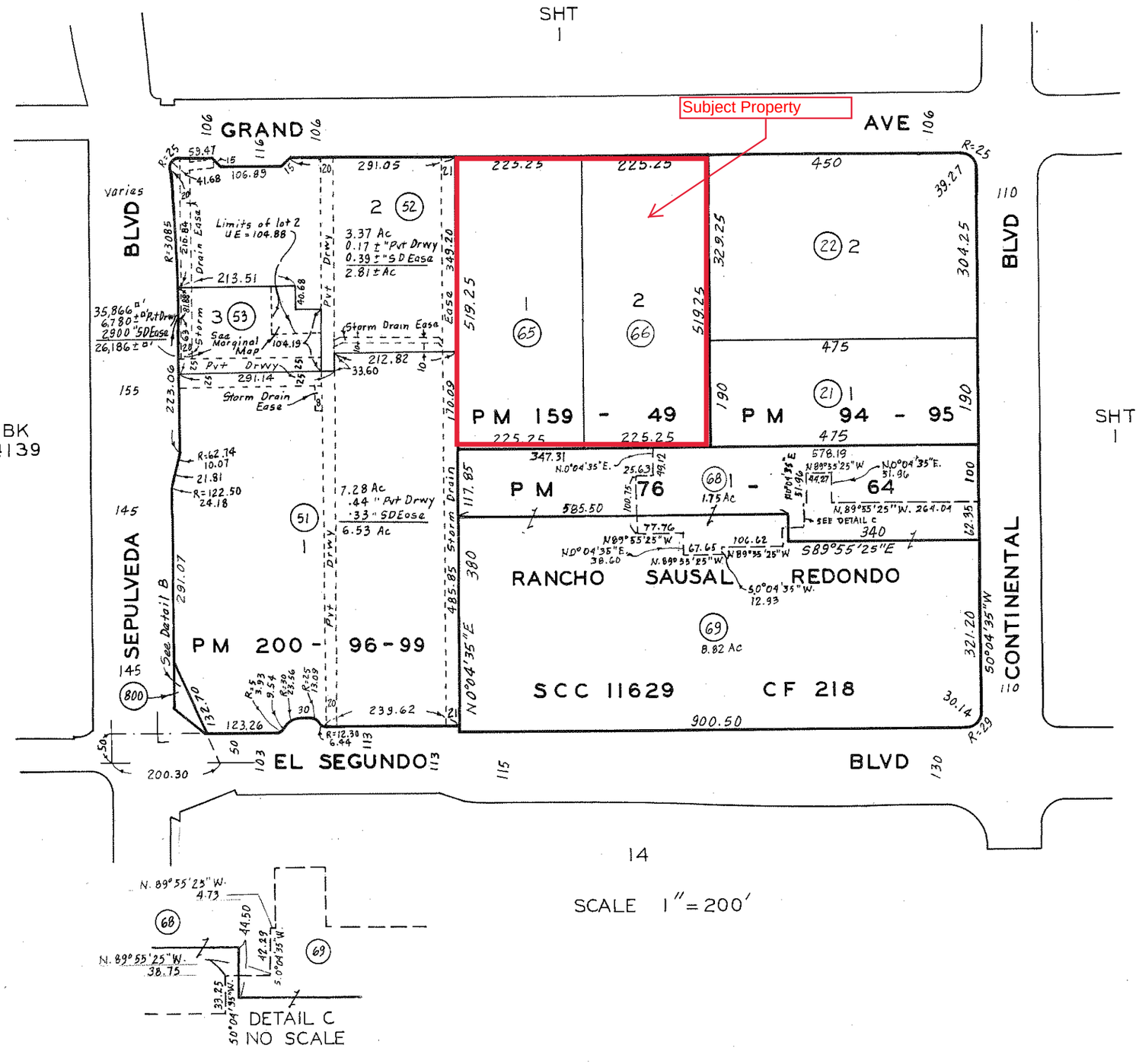
FIGURE 3 - SITE PLAN
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

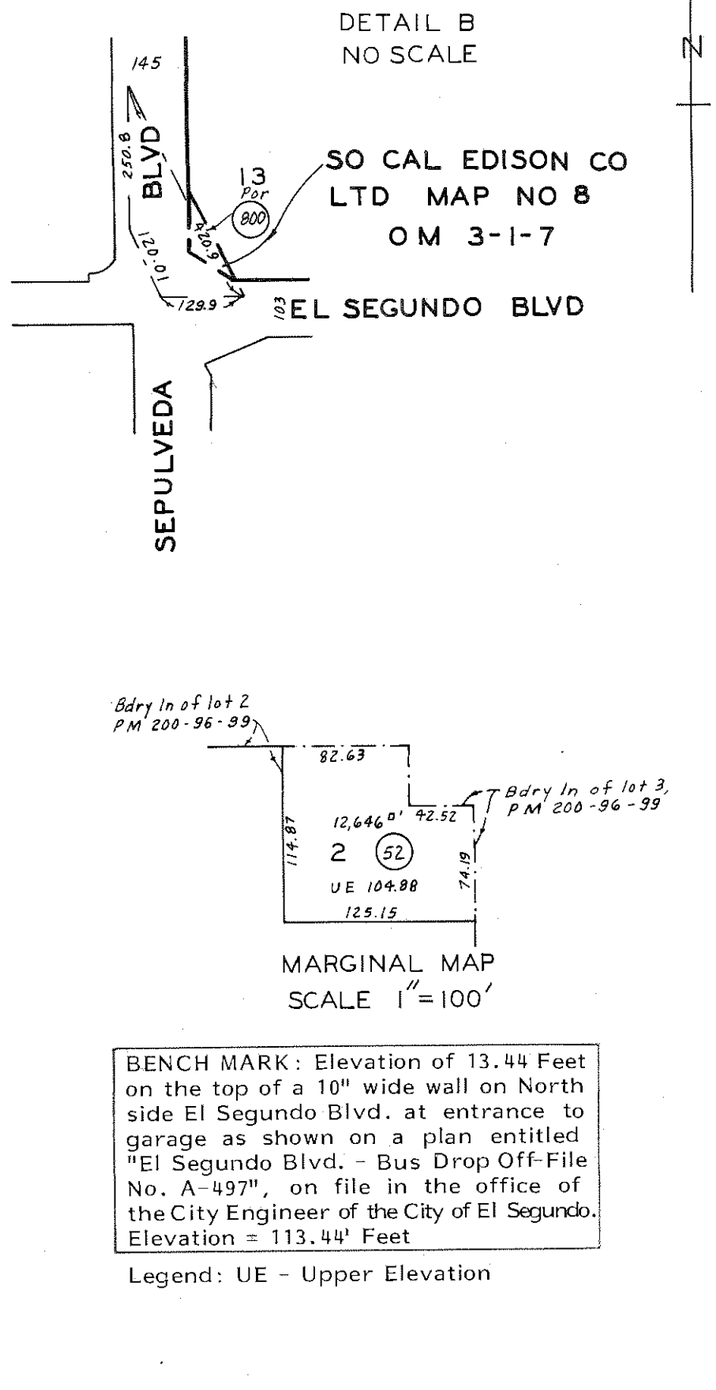
PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

OFFICE OF ASSESSOR COUNTY OF LOS ANGELES	SCALE 1" =100'& 200'	4138	7
	SHEET 2		

REVISED
880111
881109
890223010010 01
200101160400 7001-23
200901130200 4001-23
200901130200 4002-23

2009





BENCH MARK: Elevation of 13.44 Feet on the top of a 10" wide wall on North side El Segundo Blvd. at entrance to garage as shown on a plan entitled "El Segundo Blvd. - Bus Drop Off-File No. A-497", on file in the office of the City Engineer of the City of El Segundo. Elevation = 113.44' Feet

Legend: UE - Upper Elevation

Appendix C

Pre-Survey Questionnaire and Other Relevant Documentation

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CORPORATE

REGIONAL OFFICE
TEL. (717) 586-3805 FAX (781) 425-3623
REResearchGroup@ebiconsulting.com

FACSIMILE TRANSMITTAL SHEET

To:	From:	Date:
	Caitlin Rasche **Project Coordinator**	**September 25, 2019**
Fax number or email address:	Total number of pages including cover: **6**	

☒ Please complete and return: ☒ Please Reply

Email to **REResearchGroup@ebiconsulting.com**
Or Fax to (781) 425-3623 ☒ Urgent

Re: Property Condition Report & Environmental Site Assessment Questionnaire for property known as or located at

1960 E GRAND AVENUE

We have been requested by:	Subject:	EBI Project #:
Cushman and Wakefield	**To complete an Engineering and Environmental survey of the above mentioned property.**	**1119006294**

1. **Please read these instructions and those on the following page carefully.**
2. **Please assemble this original questionnaire and one copy of pertinent property documents, and forward all information to the site or the site contact for the Engineer and/or Scientist to use during the site visit. This documentation will be included in our reports.**
3. **Please fill out this questionnaire to the best of your knowledge and email or fax it back to us within three business days.**
4. **The Engineer and/or Scientist will contact you directly to schedule the site visit.**
5. **This information is extremely time sensitive and necessary to provide your lender with accurate and timely reports.**

EBI Consulting
environmental | engineering | due diligence

Please fill out and sign this questionnaire to the best of your knowledge for the Engineer's/Scientist's site visit. Email to **Caitlin Rasche** at REResearchGroup@ebiconsulting.com or fax to (781) 425-3623, for our report files, and keep the original to provide to the Engineer or Scientist.

Subject Property Name: 1960 E Grand Avenue **EBI Project #:** 1119006294

Address: 1960 E Grand Avenue El Segundo CA

Subject Property Owner: BSREP II Grand Avenue LLC **Purchase Date:** 3/31/2017

On-Site Property Contact: Ivy Le **Telephone:** 310-414-0014

Fax: 310-615-0690 **Email:** ivy.le@cis.cushwake.com

Ivy Le, Property Manager
Cushman & Wakefield US, Inc. as Agent for Owner — 9/25/19

Your Name and title **Signature** **Date**

* DISCLAIMER: This document has been answered to the best of my knowledge in my capacity as a Property Manager. IL 9/25/19

PROPERTY CONDITION REPORT PRE-SURVEY QUESTIONNAIRE

Additional plans and documentation (see page 4) must be forwarded to the site for the Engineer during the survey. For questions not applicable please respond "N/A." Attach additional pages if necessary. This questionnaire and your responses will be included as an exhibit in the Engineer's report. Accurate and full completion is critical to a timely completion of our reports, and timely loan closing.

LOCAL JURISDICTIONAL INFORMATION

1. What is the property ID #, Lot and Block, or Township/Range ID #?
2. What is the legal Municipality or County that has jurisdiction over the property? Los Angeles
3. What is the assessors file ID number and tax file ID number if available? 4138-007-065, 4138-007-066

PROPERTY INFORMATION

4. What is the size of the subject property lot or lots, in acres? 5.37 acres
5. How many parking spaces (and HCP parking spaces) are present at the property? 839 (parking structure), 79 (surface lot), 19 (15 minute spaces)
6. How many buildings comprise the subject property? One commercial office property & one parking structure
   a. If the property is a mall or large retail center, please confirm and list ownership of each building. NA
7. What is the gross and net rentable square footage of the building(s)? 260,352 RSF
8. What is the date of construction of the building(s)? When was the building(s) first occupied? 1987 (construction), 1988 (occupancy)
9. How many tenant spaces or apartments are at the Subject Property? 66 tenant spaces
   a. If the property is apartments, please provide a unit and type count by bedroom and square feet.
10. Please list, to the best of your knowledge, any deficiencies or problems with the site, parking area, amenities or utilities. N/A
11. Please list, to the best of your knowledge, any structural, water infiltration, mold, roof, plumbing, HVAC, Fire Alarm or electrical deficiencies or problems. N/A

12. During the last five years, have any major capital improvements been made to the site or building(s)? If so, please explain, with the approximate cost. Riser repairs ($121K) completed 3/2018
Replacement of sprinkler fittings, nipples & heads - 5 floors ($20K) completed 2/2018

13.

Does the property have	Y or N	Does the property have	Y or N
Polybutylene piping	N	Compressed wood or composite board siding	N
Galvanized steel water lines	N	EIFS exterior finishes	
ABS sanitary lines	N	Fire Retardant Treated plywood	Y - Electrical room back
Aluminum branch wiring	N	Cadet/Encore electric heaters installed 1982-99	N
Omega (Central or CSC) brand sprinkler heads	N	GE or Hotpoint dishwashers installed 1983-89	

14. Please list any deficiencies noted during any Building, Fire or Health Department inspections in the last three years.

15. When were the fire alarm systems and/or sprinkler system (if any) last tested?

16. Please list the following utility providers:

Electricity: Southern California Edison

Water: City of El Segundo

Storm Drainage:

Sanitary Sewer: City of El Segundo

Natural Gas or Oil: Southern California Gas

Trash Hauler: Anderson Partners and, Frequency of Pick-ups:

17. If you are performing or planning any repairs or replacement work to the property that will exceed an aggregate cost of $2,000 please explain, with the approximate cost.

18. Please list the responsible party for tenant improvements and maintenance of major systems (if applicable).

18. Please attach a brief history of the property. This information helps us properly assess, evaluate and understand your property, and will assist in the financial analysis. The information should include:

- The date of approvals and construction, the contractor who built the property
- History of major capital improvements, repairs, additions or modifications
- History of fires or violations
- A list of any ongoing maintenance issues
- Tenant history, approximate turnover rate

DOCUMENT AND INFORMATION CHECKLIST

Please provide the following information (as much as possible in electronic format) so the Engineer or Scientist can proceed with the survey of the property. Asterisk (*) items are critical to report completion. The documents will become exhibits in the Consultant's report.

A. Plans	B. Municipal Documents	C. Additional Information
▪ ALTA Survey or Site Plan* ▪ Architectural Building Plans* - plans, elevations, wall section, foundation, HVAC & elec. schedules ▪ Reduced scale Site and Building Plans ▪ ***Extremely critical for properties in Seismically active zones 3 and 4****	▪ Certificate of Occupancy* ▪ Building Permit* ▪ Façade inspection compliance* ▪ Copy of tax cards ▪ Copy of violations **B.1 NYC Projects**	▪ Capital expense report for 1 to 3 years* ▪ Tenant Rent Roll* ▪ Roof warranty ▪ History of recent improvements ▪ Schedule of Floor Area Measurements

*STRUCTURAL PLANS – **Seismic Assessments are required for these properties. Structural drawings must be provided at the time of the site visit. If no drawings are provided, the report will be delayed and the Seismic Assessment may be overly conservative.***	▪ Department of Building Violations* ▪ Environmental Control Board Violations* ▪ Local Law 11 Facade Reports*	- Gross and Rentable Square Feet ▪ Previous Due Diligence or Building Component Reports, including, but not limited to, façade*, roof*, mechanical*, electrical, elevator, sprinkler, fire alarm or life safety equipment, or pavement. ▪ Copy of most Recent Appraisal

EBI Access Requirements

At the time of the site visit the Consultant is required to gain access to all areas of the property. This includes:

- All building roofs, unless pitched asphalt shingles. This may require you to obtain and provide a ladder.
- All building perimeters
- All site amenities
- All building interiors, including as applicable, common areas, lobbies, a representative sampling of offices, retail spaces, manufacturing or assembly areas, or apartments, community rooms, exercise rooms, pool areas, storage rooms, attics and basements, garages.
- All mechanical, electric, sprinkler, HVAC, utility, service, elevator, storage and equipment rooms

ENVIRONMENTAL SITE ASSESSMENT PRE- SURVEY QUESTIONNAIRE

1. Describe the current uses of the property noting tenant names and oil/chemical usage. N/A

2. Describe the past uses of the property noting tenant names and oil/chemical usage. N/A

3. (Y) (N) Has a previous environmental site assessment report been prepared for the property? If yes, for what reason? Can EBI have a copy? Purchase of property; report performed by EBI consulting

4. (Y) (N) Has a subsurface investigation (Phase II) ever been conducted on the property, including soil sampling, groundwater sampling, or installation of groundwater monitoring wells? If yes, for what reason? What were the results? Can EBI have a copy of the report? Are there any groundwater monitoring wells currently located on the property?

5. (Y) (N) Has contamination been identified at the Subject Property? Describe the nature of the contamination (i.e., source, media impacted, location, sampling, cleanup activities, regulatory status, etc.). Can EBI have copies of related documentation? N/A

6. (Y) (N) Has a spill or surficial release occurred at the Subject Property? Describe the nature of the spill/surficial release (i.e., source, location, response/cleanup actions, regulatory status, etc.). Can EBI have copies of related documentation?

7. (Y) (N) Is the Subject Property listed with the USEPA and/or the state environmental regulatory agency as a contaminated site? If yes, please describe. Can EBI have copies of related documentation?

8. (Y) (N) Has there ever been previous sampling for Asbestos, Lead-Based Paint, Lead in Water, or Radon? If yes, please describe. Can EBI have copies of related documentation?

9. (Y) (N) Has there been any Asbestos or Lead-Based Paint abatement or Radon mitigation conducted at the Subject Property? Are there Asbestos and/or Lead-Based Paint Operations and Maintenance Plans for the Subject Property? If yes, please describe. Can EBI have copies of related documentation?

10. (Y) (N) Any known environmental liens, deed restrictions, or use limitations for the Property? If yes, please describe. Can EBI have copies of related documentation?

11. (Y) (N) Any permitted or regulated activities (Hazardous waste generator, air) on the Property? If yes, please describe. Emergency generator

12. (Y) (N) Are there any transformers or other electrical equipment, which may contain PCBs? If yes, please describe. Where are they? Who owns the transformer(s)? Who services them?

13. (Y) (N) Has an industrial or manufacturing operation, gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junk yard, landfill or waste, treatment, storage, disposal processing or recycling facility ever been located at **or** adjacent to the property? If yes, please describe.

14. (Y) (N) Are there any discarded drums, barrels or containers, construction debris, damaged or discarded automobile or industrial batteries, or pesticides, paints or other chemicals in individual containers or drums of greater than five gallons or fifty gallons in aggregate located on the property? If yes, please describe.

15. (Y) (N) Have there ever been any waste storage or treatment lagoons, pits, ponds, or surface impoundments on the property? If yes, please describe.

16. (Y) (N) Does the property have floor drains not discharging to a sewer? Septic System? If yes, please describe._____

17. (Y) (N) Are there currently aboveground or underground storage tanks at the property? If yes, complete table.

Type of Tank	Size	Content	Installation Date	Spill/Leak Detection? Y or N
Above or Underground	120 gal	Fire Pump Diesel #1	1987	Y
Above or Underground	120 gal	Fire Pump Diesel #2	1987	Y
Above or Underground	120 gal	Diesel Generator	1987	Y
Above or Underground	22500 gal	Sprinkler H_2O	1987	Auto shut offs

18. Are you aware of any information to indicate that the Subject Property was sold for substantially below its fair market value? If so, please provide an explanation: N/A

19. Additional comments and/or pertinent information relevant to this Phase I ESA:_____

DOCUMENT AND INFORMATION CHECKLIST

Please provide the following information (as much as possible in electronic format) so the Engineer or Scientist can proceed with the survey of the property. Asterisk (*) items are critical to report completion. The documents will become exhibits in the Consultant's report.

A. Plans	B. Municipal Documents	C. Additional Information
▪ ALTA Survey or Site Plan* ▪ Architectural Building Plans* - plans, elevations, wall section, foundation, HVAC & elec. schedules ▪ Reduced scale Site and Building Plans ▪ ***Extremely critical for properties in Seismically active zones 3 and 4**** *STRUCTURAL PLANS – **Seismic Assessments are required for these properties. Structural drawings must be provided at the time of the site visit. If no drawings are provided, the report will be delayed and the Seismic Assessment may be overly conservative.*** ▪	▪ Certificate of Occupancy* ▪ Building Permit* ▪ Façade inspection compliance* ▪ Copy of tax cards ▪ Copy of violations **B.1 NYC Projects** ▪ Department of Building Violations* ▪ Environmental Control Board Violations* ▪ Local Law 11 Facade Reports*	▪ Capital expense report for 1 to 3 years* ▪ Tenant Rent Roll* ▪ Roof warranty ▪ History of recent improvements ▪ Schedule of Floor Area Measurements - Gross and Rentable Square Feet ▪ Previous Due Diligence or Building Component Reports, including, but not limited to, façade*, roof*, mechanical*, electrical, elevator, sprinkler, fire alarm or life safety equipment, or pavement. ▪ Copy of most Recent Appraisal

EBI ACCESS REQUIREMENTS

At the time of the site visit the Consultant is required to gain access to all areas of the property. This includes:

- All building roofs, unless pitched asphalt shingles. This may require you to obtain and provide a ladder.
- All building perimeters
- All site amenities

- All building interiors, including as applicable, common areas, lobbies, a representative sampling of offices, retail spaces, manufacturing or assembly areas, or apartments, community rooms, exercise rooms, pool areas, storage rooms, attics and basements, garages.
- All mechanical, electric, sprinkler, HVAC, utility, service, elevator, storage and equipment rooms

EBI Consulting
environmental | engineering | due diligence

21 B Street
Burlington, MA 01803
Tel: (781) 273-2500
www.ebiconsulting.com

DOCUMENT TRANSMITTAL SHEET

To: Client

Date:
September 17, 2019

Fax number or email address:

Total number of pages including cover:
3

☒ **Please return completed questionnaire and any digital files to:**

cgovostes@ebiconsulting.com

☒ **Please submit all hardcopy documentation with a copy of this questionnaire to:**
Not needed

Re: Phase I ESA AAI User Questionnaire for property known as or located at:
1960 E Grand Avenue, El Segundo, California 90245

EBI Project #:
TBD

PHASE I ESA AAI USER QUESTIONNAIRE (ASTM E1527)

Dear User (Client),

Presented below is the User Questionnaire (as cited in the Appendix X3 of ASTM Standard E 1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process). This questionnaire is designed to address one of the requirements to satisfy the intent of the Standard, as noted in Section 1.1 of ASTM E 1527. Specifically, in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), **the User (the Client) of EBI's Phase I ESA report** must provide the information addressed below (if available) to EBI. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

To note, it is acceptable if you (the Client and User of this report) have no significant information regarding the questions below. The ASTM standard simply requires that we document your answers to this questionnaire. As such, the User Questionnaire can only be completed by the User (the Client). Please also note that EBI provides the site contact with a separate, **Pre-Survey Questionnaire**. This questionnaire is more detailed and documents their knowledge of the Subject Property.

Thank you,

EBI Consulting

ESA AAI USER QUESTIONNAIRE (ASTM E1527)

Subject Property Name: 1960 E Grand Avenue EBI Project #: TBD

Address: 1960 E Grand Avenue, El Segundo, California 90245

1. Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state or local law?

   Yes / No / Unknown / Not Applicable

   If yes, please attach a copy.

2. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   Yes / No / Unknown / Not Applicable

   If yes, please attach a copy.

3. As the user of this ESA do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Or, do you have documentation (i.e., Phase I ESAs, Phase II subsurface investigations, Tank Removal reports, remedial reports, asbestos sampling and/or abatement reports, lead-based paint sampling and/or abatement reports, etc.) for the Subject Property that may be relevant to the Phase I ESA?

   Yes / No / Unknown / Not Applicable

   Comments: See Phase I ESA completed by EBI consulting, dated February 13, 2017.

4. Does the purchase price being paid for this Subject Property reasonably reflect the fair market value of the Subject Property?

   Yes / No / Unknown / Not Applicable

   If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Subject Property?

   Yes / No

   Comments: _____

ESA AAI USER QUESTIONNAIRE (ASTM E1527)

5. Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of release or threatened releases? For example, as user,

   a. Do you know the past uses of the Subject Property? COMMERCIAL OFFICE BLDG
   b. Do you know the specific chemicals that are present or once were present at the Subject Property? NO
   c. Do you know of spills or other chemical releases that have taken place at the Subject Property? NO
   d. Do you know of any environmental cleanups that have taken place at the Subject Property? NO

   Comments: _____

   Please attach copies of previous environmental reports prepared for the Subject Property.

6. As the user of this ESA, based on your knowledge and experience related to the Subject Property are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property?

   Yes / (No) / Unknown / Not Applicable

   Comments: _____

Please be sure to attach copies of documentation, as available.

Completed by:

Ivy Le — Name

Property Manager — Title

Cushman & Wakefield U.S., Inc. — Company Name

9/19/19 — Date

as Agent for BSREP II Grand Avenue LLC

Rent Roll - Lease Abstract

Grand Avenue Courtyard (1007097)

As of 10/01/2019

Recurring Charges Shown as Monthly Amounts

Tenant Code	Tenant	Leased Units	Area	BOMA	Current Rent		Current Rent / Sqft	Deposit	Rent Increases Date	Rent Increases New Amt	Other charges & concessions Amt	Code	Begin	End
1007097	**Grand Avenue Courtyard**													
t0052778	Columbus Technologies and Services, Inc.	1000	11,711	0	orntof	40,988.50	$ 42.00	$55,469.70	04/01/2020	$-42,276.71	$115.82	cam	03/05/2019	09/15/2026
									04/01/2020	$42,276.71	$80.54	ret	03/05/2019	09/15/2026
Lease From-To: 08/01/2011 - 09/15/2026									04/01/2021	$-43,564.92				
									04/01/2021	$43,564.92				
									04/01/2022	$-44,853.13				
									04/01/2022	$44,853.13				
									04/01/2023	$-46,141.34				
									04/01/2023	$46,141.34				
									04/01/2024	$-47,546.66				
									04/01/2024	$47,546.66				
									04/01/2025	$48,951.98				
									04/01/2026	$50,474.41				
t0052779	Avasant, LLC	1050	4,586	0	orntof	17,453.78	$ 34.00	$20,213.37	11/01/2019	$13,279.80	$65.55	cam	01/01/2019	02/28/2021
		1090	1,575	0					04/01/2020	$4,697.59	$171.46	cam	01/01/2019	02/28/2021
Lease From-To: 05/01/2012 - 02/28/2021			**6,161.00**	**0.00**					11/01/2020	$13,678.20	$203.26	ret	01/01/2019	02/28/2021
											$225.34	ret	01/01/2019	02/28/2021
t0061481	Santa Barbara Applied Research, Inc.	1070	2,025	0	orntof	6,885.00	$ 40.80	$82,620.00	12/15/2019	$-7,091.55				
Lease From-To: 12/15/2018 - 09/15/2026									12/15/2019	$7,091.55				
									12/15/2020	$-7,304.30				
									12/15/2020	$7,304.30				
									12/15/2021	$-7,523.43				
									12/15/2021	$7,523.43				
									12/15/2022	$-7,749.13				
									12/15/2022	$7,749.13				
									12/15/2023	$-7,981.60				
									12/15/2023	$7,981.60				
									12/15/2024	$-8,221.05				
									12/15/2024	$8,221.05				
									12/15/2025	$8,467.68				
t0052865	Pro Access L.L.C.	1080	2,633	0	orntof	8,380.05	$ 38.19	$10,782.46	04/01/2020	$8,631.45	$89.78	cam	01/01/2019	06/30/2022
									04/01/2021	$8,890.39	$129.66	ret	01/01/2019	06/30/2022
Lease From-To: 01/01/2012 - 06/30/2022									04/01/2022	$9,157.11				
t0057263	EKI Environment & Water, Inc.	1150	1,926	0	orntof	6,845.03	$ 42.65	$7,529.53	10/01/2019	$6,845.03	$71.80	cam	01/01/2019	09/30/2020
											$93.16	ret	01/01/2019	09/30/2020
Lease From-To: 10/01/2017 - 09/30/2020														
t0052790	GSA - GS-09B-02790	1160	5,308	0	orntof	17,417.25	$ 39.38	$0.00	08/27/2020	$16,344.22				
Lease From-To: 08/27/2012 - 08/26/2022														

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Grand Avenue Courtyard (1007097)

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Recurring Charges Shown as Monthly Amounts

Tenant Code	Tenant	Leased Units	Area	BOMA		Current Rent	Current Rent / Sqft	Deposit	Rent Increases Date	Rent Increases New Amt	Other charges & concessions Amt	Code	Begin	End
1007097	**Grand Avenue Courtyard**													
t0052793	David Reimann	1165	1,135	0	orntof	3,193.63	$ 33.77	$3,618.38	05/01/2020	$3,289.44	$115.20	cam	01/01/2019	09/30/2020
											$148.19	ret	01/01/2019	09/30/2020
Lease From-To: 01/01/2005 - 09/30/2020														
t0052911	TW Telecom of California							$0.00			$100.00	utility	03/01/2018	
Lease From-To: 03/01/2013 - MTM														
t0052815	Pacific Premier Bank	1200	3,055	0	orntof	15,519.01	$ 40.17	$19,213.46	12/01/2019	$15,984.58	$999.02	cam	01/01/2019	03/31/2023
		1200A	1,581	0					12/01/2020	$16,464.12	$289.61	ret	01/01/2019	03/31/2023
Lease From-To: 12/01/2010 - 03/31/2023			**4,636.00**	**0.00**					12/01/2021	$16,958.04				
									12/01/2022	$17,466.78				
t0059196	Kinkisharyo International, LLC	1210	8,886	0	orntof	29,745.89	$ 40.17	$36,827.19	04/01/2020	$30,638.26	$99.95	cam	01/01/2019	08/31/2023
									04/01/2021	$31,557.41	$61.03	ret	01/01/2019	08/31/2023
Lease From-To: 04/01/2018 - 08/31/2023									04/01/2022	$32,504.13				
									04/01/2023	$33,479.26				
t0052821	Donahue & Horrow, LLP	1215	4,079	0	orntof	13,234.32	$ 38.93	$6,780.21	11/01/2019	$13,631.34	$153.26	cam	01/01/2019	02/28/2023
									11/01/2020	$14,040.29	$201.42	ret	01/01/2019	02/28/2023
Lease From-To: 04/01/2009 - 02/28/2023									11/01/2021	$14,461.49				
									11/01/2022	$14,895.34				
t0052826	Judge and Judge, CPA	1225	2,112	0	orntof	5,586.13	$ 31.74	$6,329.08	12/01/2019	$5,753.71	$205.81	cam	01/01/2019	11/30/2020
											$264.74	ret	01/01/2019	11/30/2020
Lease From-To: 12/01/2014 - 11/30/2020														
t0052806	Outsource, LLC	1180	5,054	0	orntof	31,850.09	$ 31.85	$36,086.15	06/01/2020	$2,731.71	$107.92	cam	01/01/2019	11/30/2020
		150	5,851	0					06/01/2020	$14,354.48	$394.53	cam	01/01/2019	11/30/2020
Lease From-To: 07/01/2014 - 11/30/2020		150A	1,096	0					07/01/2020	$15,719.40	$494.44	cam	01/01/2019	11/30/2020
			12,001.00	**0.00**							$138.82	ret	01/01/2019	11/30/2020
											$636.01	ret	01/01/2019	11/30/2020
											$762.35	ret	01/01/2019	11/30/2020
t0052833	CorAmerica Capital, LLC	240	2,923	0	orntof	8,682.83	$ 34.22	$13,570.33	11/01/2019	$8,943.31	$498.60	cam	01/01/2019	01/31/2020
		8	122	0					02/01/2020	$11,289.80	$152.50	sto	10/01/2016	01/31/2020
Lease From-To: 07/21/2010 - 03/31/2023			**3,045.00**	**0.00**					03/01/2020	$-11,289.80				
									02/01/2021	$11,628.49				
									02/01/2022	$11,977.35				
									02/01/2023	$12,336.67				
t0052856	CyberCity 3D, Inc.	280	2,706	0	orntof	7,461.79	$ 33.09	$14,930.09	01/01/2020	$7,685.64	$266.05	cam	01/01/2019	05/31/2020
											$342.22	ret	01/01/2019	05/31/2020
Lease From-To: 01/01/2015 - 05/31/2020														

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Grand Avenue Courtyard (1007097)

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Tenant Code	Tenant	Leased Units	Area	BOMA	Current Rent		Current Rent / Sqft	Deposit	Rent Increases Date	Rent Increases New Amt	Other charges & concessions Amt	Code	Begin	End
1007097	**Grand Avenue Courtyard**													
t0052857	Vast Communications, LLC	290	3,475	0	orntof	10,168.97	$ 35.12	$11,521.44	06/01/2020	$10,474.04	$341.34	cam	01/01/2019	07/31/2020
											$439.07	ret	01/01/2019	07/31/2020
Lease From-To: 06/01/2015 - 07/31/2020														
t0064304	AndersonPenna Partners, Inc.	300	4,068	0	orntof	14,246.14	$ 42.02	$18,166.70	10/01/2019	$14,246.14	$45.73	cam	01/01/2019	02/28/2025
									10/01/2020	$14,673.52	$27.92	ret	01/01/2019	02/28/2025
Lease From-To: 05/19/2018 - 02/28/2025									10/01/2021	$15,113.73				
									10/01/2022	$15,567.14				
									10/01/2023	$16,034.15				
									10/01/2024	$16,515.18				
t0052842	Riester Pacific, Inc.	320	3,840	0	orntof	12,832.65	$ 40.10	$12,832.65	08/25/2020	$13,217.63	$143.68	cam	01/01/2019	11/30/2020
											$188.83	ret	01/01/2019	11/30/2020
Lease From-To: 10/01/2016 - MTM														
t0052859	Kathleen D. Crane	330	1,719	0	orntof	5,165.59	$ 36.06	$6,028.20	08/01/2020	$5,320.56	$221.59	cam	01/01/2019	11/30/2021
									08/01/2021	$5,480.18	$219.65	ret	01/01/2019	11/30/2021
Lease From-To: 08/01/2016 - 11/30/2021														
t0052862	Lucix Corporation	350	4,329	0	orntof	14,696.44	$ 40.74	$16,651.06	10/01/2019	$14,696.44	$160.54	cam	01/01/2019	12/31/2020
									10/01/2020	$15,137.33	$210.99	ret	01/01/2019	12/31/2020
Lease From-To: 10/27/2007 - 12/31/2020														
t0052868	Baywood Management	380	2,181	0	orntof	6,434.74	$ 35.40	$7,509.28	06/01/2020	$6,627.78	$277.81	cam	01/01/2019	09/30/2021
									06/01/2021	$6,826.62	$275.39	ret	01/01/2019	09/30/2021
Lease From-To: 06/01/2016 - 09/30/2021														
t0052872	The Canadian Group	390	2,553	0	orntof	8,125.43	$ 38.19	$37,259.08	12/01/2019	$8,369.20	$327.42	cam	01/01/2019	02/28/2022
									12/01/2020	$8,620.27	$324.56	ret	01/01/2019	02/28/2022
Lease From-To: 12/01/2016 - 02/28/2022									12/01/2021	$8,878.88				
t0052878	Weston & McElvain LLP	400	5,516	0	orntof	15,972.83	$ 34.75	$16,945.57	03/01/2020	$16,452.01	$714.36	cam	01/01/2019	06/30/2021
									03/01/2021	$16,945.57	$708.14	ret	01/01/2019	06/30/2021
Lease From-To: 03/01/2016 - 06/30/2021														
t0052880	Geoffrey M. Bremer	410	3,553	0	orntof	10,397.22	$ 33.98	$12,133.46	08/01/2020	$10,709.14	$685.00	ant1	10/01/2018	10/31/2021
		5	119	0					08/01/2021	$11,030.42	$350.63	cam	01/01/2019	10/31/2021
Lease From-To: 01/01/2010 - 10/31/2021			**3,672.00**	**0.00**							$451.02	ret	01/01/2019	10/31/2021
											$150.00	sto	08/01/2016	10/31/2021
t0053070	Management Office	425	1,412	0				$0.00						
Lease From-To: 03/31/2017 - MTM														

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1007097	**Grand Avenue Courtyard**													
t0052891	AWR Corporation	430	6,892	0	orntof	19,741.65	$ 34.37	$14,473.20	11/01/2019	$20,333.90	$619.57	cam	01/01/2019	01/31/2022
									11/01/2020	$20,943.92				
Lease From-To: 11/01/2001 - 01/31/2022									11/01/2021	$21,572.24				
t0052892	Ace Metrix, Inc.	500	2,201	0	orntof	22,563.75	$ 35.01	$44,188.54	11/01/2019	$23,240.66	$271.19	cam	01/01/2019	01/31/2020
		510	5,533	0							$727.59	cam	01/01/2019	01/31/2020
Lease From-To: 09/01/2011 - 01/31/2020			**7,734.00**	**0.00**							$268.83	ret	01/01/2019	01/31/2020
											$721.25	ret	01/01/2019	01/31/2020
t0052903	Cathay Pacific Airways Ltd.	540	1,581	0	orntof	4,448.57	$ 33.77	$5,040.23	08/01/2020	$4,582.03	$160.63	cam	01/01/2019	09/30/2020
											$206.62	ret	01/01/2019	09/30/2020
Lease From-To: 03/14/2005 - 09/30/2020														
t0052836	ATA Engineering, Inc.	560	2,942	0	orntof	8,112.55	$ 33.09	$0.00	02/01/2020	$8,355.93	$290.39	cam	01/01/2019	03/31/2020
											$373.54	ret	01/01/2019	03/31/2020
Lease From-To: 06/05/2008 - 03/31/2020														
t0075214	Maisto International Inc.	570	1,177	0	freer	-4,413.75	-$45.00	$30,700.50	10/01/2019	$-4,413.75				
					orntof	4,413.75	$ 45.00		09/01/2020	$4,546.16				
Lease From-To: 09/01/2019 - 01/31/2025									09/01/2021	$4,682.55				
									09/01/2022	$4,823.02				
									09/01/2023	$4,967.71				
									09/01/2024	$5,116.75				
t0052890	McCloskey, Waring & Waisman LLP	580	1,462	0	orntof	5,044.63	$ 41.41	$6,245.56	06/01/2020	$5,195.97	$14.47	cam	06/01/2019	08/31/2023
									06/01/2021	$5,351.85	$10.05	ret	06/01/2019	08/31/2023
Lease From-To: 11/01/2008 - 08/31/2023									06/01/2022	$5,512.40				
									06/01/2023	$5,677.78				
t0052849	Joseph J. Blake & Associates, Inc.	585	2,737	0	orntof	7,139.10	$ 31.30	$7,853.01			$185.15	cam	01/01/2019	11/30/2019
											$357.77	ret	01/01/2019	11/30/2019
Lease From-To: 06/30/2014 - 11/30/2019														
t0052781	Sysense Incorporated	590	1,595	0	orntof	5,503.55	$ 41.41	$6,053.91			$15.78	cam	01/01/2019	05/23/2020
											$10.96	ret	01/01/2019	05/23/2020
Lease From-To: 11/01/2009 - 05/23/2020														
t0052906	Target Corporation	600	12,626	0	orntof	60,757.21	$ 32.69	$29,671.10	10/01/2019	$26,360.27	$2,188.61	cam	01/01/2019	03/31/2020
		610	9,676	0					10/01/2019	$34,396.94	$2,815.24	ret	01/01/2019	03/31/2020
Lease From-To: 09/22/2014 - 03/31/2020			**22,302.00**	**0.00**										

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Tenant Code	Tenant	Leased Units	Area	BOMA	Current Rent		Current Rent / Sqft	Deposit	Rent Increases Date	Rent Increases New Amt	Other charges & concessions Amt	Code	Begin	End
1007097	**Grand Avenue Courtyard**													
t0052908	ClearFreight Inc.	700	13,878	0	freer	-40,186.89	-$34.75	$54,367.29	10/01/2019	$-40,186.89	$1,795.83	cam	01/01/2019	07/31/2027
					orntof	40,186.89	$ 34.75		10/01/2019	$40,186.89	$1,780.18	ret	01/01/2019	07/31/2027
Lease From-To: 10/01/2016 - 07/31/2027									10/01/2020	$-41,392.50				
									10/01/2020	$41,392.50				
									10/01/2021	$-42,634.27				
									10/01/2021	$42,634.27				
									10/01/2022	$-43,913.30				
									10/01/2022	$43,913.30				
									10/01/2023	$-45,230.70				
									10/01/2023	$45,230.70				
									10/01/2024	$-46,587.62				
									10/01/2024	$46,587.62				
									10/01/2025	$-47,985.25				
									10/01/2025	$47,985.25				
									10/01/2026	$49,424.81				
t0068217	Signature Analytics Solutions, Inc.	710	2,390	0	orntof	8,962.50	$ 45.00	$10,772.93	01/01/2020	$9,231.38				
									01/01/2021	$9,508.32				
Lease From-To: 01/01/2019 - 12/31/2022									01/01/2022	$9,793.57				
t0054293	Edelman Financial Services, LLC	720	2,316	0	ornt	7,739.69	$ 40.10	$9,007.77	10/01/2019	$7,739.69	$87.16	cam	01/01/2019	01/31/2023
									10/01/2020	$7,971.88	$114.56	ret	01/01/2019	01/31/2023
Lease From-To: 10/01/2017 - 01/31/2023									10/01/2021	$8,211.04				
									10/01/2022	$8,457.37				
t0052910	Schaefer Trans., Inc.	730	2,458	0	orntof	8,083.85	$ 39.47	$9,716.78	04/01/2020	$8,326.36	$91.95	cam	01/01/2019	06/30/2022
									04/01/2021	$8,576.15	$120.85	ret	01/01/2019	06/30/2022
Lease From-To: 04/01/2017 - 06/30/2022									04/01/2022	$8,833.44				
t0052831	Union of American Physicians and Dentists	810	3,972	0	orntof	11,501.83	$ 34.75	$13,422.52	01/01/2020	$11,846.88	$512.62	cam	01/01/2019	05/31/2021
									01/01/2021	$12,202.29	$508.15	ret	01/01/2019	05/31/2021
Lease From-To: 01/01/2016 - 05/31/2021														
t0052804	TGA Franchise Sports Holdings, LLC	811	3,059	0	orntof	8,858.03	$ 34.75	$10,337.23	06/01/2020	$9,123.77	$396.87	cam	01/01/2019	08/31/2021
									06/01/2021	$9,397.48	$393.41	ret	01/01/2019	08/31/2021
Lease From-To: 06/01/2016 - 08/31/2021														
t0052800	Hughes Design Group	825	2,886	0	orntof	8,672.43	$ 36.06	$10,120.64	09/01/2020	$8,932.60	$373.72	cam	01/01/2019	11/30/2021
									09/01/2021	$9,200.58	$370.46	ret	01/01/2019	11/30/2021
Lease From-To: 09/01/2016 - 11/30/2021														
t0074434	National Center for Youth Law	830	1,134	0	freer	-4,252.50	-$45.00	$5,111.50	08/07/2020	$4,380.08				
					ornt	4,252.50	$ 45.00		08/07/2021	$4,511.48				
Lease From-To: 08/07/2019 - 11/06/2022									08/07/2022	$4,646.82				

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1007097	**Grand Avenue Courtyard**													
t0052789	Pragmatic Business Services U.S. Corporation	840	2,054	0	orntof	5,947.82	$ 34.75	$6,941.04	05/01/2020	$6,126.26	$264.58	cam	01/01/2019	07/31/2021
									05/01/2021	$6,310.04	$262.27	ret	01/01/2019	07/31/2021
Lease From-To: 05/01/2016 - 07/31/2021														
t0052785	Litili, LLC	850	1,545	0	orntof	4,642.72	$ 36.06	$5,418.02	02/01/2020	$4,782.01	$198.43	cam	01/01/2019	04/30/2021
									02/01/2021	$4,925.47	$196.71	ret	01/01/2019	04/30/2021
Lease From-To: 02/01/2016 - 04/30/2021														
t0052782	Nikkei America, Inc.	860	1,153	0	orntof	3,401.77	$ 35.40	$4,259.59	02/01/2020	$3,503.82	$65.65	cam	01/01/2019	01/31/2021
											$147.53	ret	01/01/2019	01/31/2021
Lease From-To: 12/15/2010 - 01/31/2021														
t0052780	Innovative Computing Sytems, Inc.	870	2,454	0	orntof	7,374.27	$ 36.06	$8,355.05	05/01/2020	$7,595.50	$287.10	cam	01/01/2019	08/31/2020
											$314.73	ret	01/01/2019	08/31/2020
Lease From-To: 05/01/2016 - 08/31/2020														
t0072106	Northrop Grumman Systems Corporation	900	6,858	0	freer	-24,688.80	-$43.20	$0.00	06/18/2020	$25,429.46				
					orntof	24,688.80	$ 43.20		06/18/2021	$26,192.35				
Lease From-To: 06/18/2019 - 11/17/2024									06/18/2022	$26,978.12				
									06/18/2023	$27,787.46				
									06/18/2024	$28,621.09				
t0052907	KPG Healthcare LLC	940	2,869	0	orntof	20,645.21	$ 35.12	$23,391.02	10/01/2019	$8,395.62	$692.73	cam	01/01/2019	12/31/2020
		950	4,186	0					10/01/2019	$12,249.59	$891.06	ret	01/01/2019	12/31/2020
Lease From-To: 10/01/2015 - 12/31/2020			**7,055.00**	**0.00**					10/01/2020	$8,647.49				
									10/01/2020	$12,617.07				

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Tenant Code	Tenant	Leased Units	Area	BOMA	Current Rent	Current Rent / Sqft	Deposit	Rent Increases Date	Rent Increases New Amt	Other charges & concessions Amt	Other charges & concessions Code	Other charges & concessions Begin	Other charges & concessions End
1007097	**Grand Avenue Courtyard**												
Vacant	Vacant Units	1	202	0									
		100	4,794	0									
		1000X	0	0									
		1100	5,527	0									
		1170	3,397	0									
		120	453	0									
		1260	2,804	0									
		2	182	0									
		200	9,309	0									
		260	2,243	0									
		3	168	0									
		370	3,819	0									
		4	165	0									
		420	4,482	0									
		520	1,240	0									
		530	1,808	0									
		6	116	0									
		7	120	0									
		740	1,343	0									
		800	4,203	0									
		9	182	0									
		920	3,742	0									
		960	4,875	**0.00**									
			55,174.00										

Summary (1007097)

	Unit Count	Unit %	Total Area	Area %	Total BOMA	BOMA %	Total Base Rent	Rent Per Area	Total Deposits	Total Other Charges	Other Charges Per Area
Occupied	56	70.89%	202,763.00	78.61%	0.00	0.00%	540,424.44	$31.98	$768,464.82	$33,045.90	$1.54
Vacant	23	29.11%	55,174.00	21.39%	0.00	0.00%	0.00	0.00			
	79		257,937.00				540,424.44	$25.14			

9/23/19

Appendix D

Professional Qualifications

EBI Consulting
environmental | engineering | due diligence

Michael Monis
Senior Scientist
21 B Street
Burlington, MA 01803
Office: 805-824-5925

SUMMARY OF EXPERIENCE

Mr. Michael Monis, Senior Scientist, has extensive experience in engineering, building assessment and environmental consulting in the governmental, public and private sector since 1998. His overall experience provides a unique background that allows him to provide thorough investigations and prompt reporting to the client.

He has successfully completed hundreds of project assignments including property transaction due diligence site assessments (Property Condition Assessment and/or Phase I Environmental Site Assessment), Environmental Impact Studies, subsurface investigations, underground storage tank removals, air monitoring projects, regulatory compliance audits, and asbestos surveys. Mr. Monis has also developed and implemented numerous Operations and Maintenance Plans for facilities containing asbestos, lead-based paint and/or mold.

Mr. Monis has completed advance training for Property Condition Assessments, Phase I Environmental Site Assessments, Mold and Indoor Air Quality (IAQ), and asbestos abatement oversight. Other training includes completing courses for AHERA Asbestos Inspector, Hazardous Waste Operator and Supervisor, and HUD MAP related training.

At EBI, Mr. Monis specializes in conducting property condition assessments, environmental site assessments, and site investigations for real estate owners, developers and investors.

RELEVANT PROJECT EXPERIENCE

Various Property Owners and Financial Institutions. Prepared property condition due diligence reports and environmental site assessments for numerous property owners and financial institutions for portfolios and individual projects throughout the country. Property types included multi-family residential, hotels, shopping centers/retail properties, industrial, office buildings, large-scale commercial developments, assisted living facilities, churches, telecommunications sites, and raw land. Clients have included J.P. Morgan, Comerica Bank, Citigroup, Prudential Mortgage Capital Company, CB Richard Ellis, Bank of America, Merrill Lynch, and Wells Fargo Bank.

Various Property Owners – Asbestos Building Surveys. Performed asbestos surveys and abatement projects for numerous public schools and commercial facilities throughout Southern California. Other services including abatement project monitoring, clearance testing, and the location and quantification of Asbestos Containing Materials (ACMS).

Various Property Owners – Microbial Assessments. Conducted microbial (mold and bacteria) assessments for various clients in Southern California. Assessments were conducted subsequent to water intrusion events, construction defects, receipt of insurance claims, as well as to investigate building health and safety issues. Projects have involved single- and multi-family residential properties, and commercial structures. Projects included the preparation of a scope of work, visual inspections and post-remediation sampling.

EDUCATION

B.A. Environmental Studies University of California, Santa Barbara

CERTIFICATES AND TRAINING

Advanced Property Condition Assessment Training Program, 2015 – EBI Consulting
Asbestos Building Inspector since 2003
Hazardous Waste Operator since 2000
Hazardous Waste Operator Supervisor since 2002
Microbial Investigations, Assessments and Remediation in the Indoor Environment – 2001
HUD MAP Advanced Architectural Engineering and Cost Analysis – 2008
HUD MAP Basic Advanced Valuation/Environmental – 2008

EBI CONSULTING
Creating Value for Your Business

Debra Bechtold
Senior Scientist

SUMMARY OF EXPERIENCE

Ms. Bechtold is a project manager and land use specialist with over 20 years of professional experience. She is responsible for conducting Phase I environmental site assessments. She has also performed Phase II Subsurface Investigations leading to site remediation. Ms. Bechtold is a California Registered Environmental Assessor II. She has completed the Certificate in Hazardous Materials Management from the University of California, Irvine.

RELEVANT PROJECT EXPERIENCE

- Prepared over 300 Phase I Environmental Site Assessments of residential, commercial and industrial properties throughout Southern California.
- Project manager for the I-710 Brownfields Study which consisted of 15 Preliminary Site Assessments, 10 Phase I Environmental Site Assessments and an Area Study encompassing 14 city blocks consisting of over 200 parcels.
- Managed numerous Phase II subsurface investigations; including groundwater investigations, working with professional geologists, engineers and chemists.
- Completed Phase III soil remediation projects involving soil excavation and disposal.
- Obtained regulatory closure for former gasoline service stations using natural attenuation modeling for underground storage tanks sites that impacted groundwater.
- Directed the installation, operation and maintenance of soil vapor extraction remediation systems for sites impacted by volatile organic compounds (i.e., dry cleaners and industrial facilities).
- Worked with local regulatory agencies including the Los Angeles Fire Department, Health Hazardous Materials Division, Los Angeles County Department of Public Works, Environmental Programs Division and the California Regional Water Quality Control Board.
- Participated in litigation support projects, specifically the technical review of environmental reports to determine the nature and extent of contamination and evaluation of remediation costs.

EDUCATION

B.A., Geography, 1980, California State University – Long Beach

PROFESSIONAL REGISTRATIONS

Registered Environmental Assessor II, California
Certificate in Hazardous Materials Management, 1995, University of California – Irvine
OSHA/RCRA 40-Hour Hazardous Waste Operations and Emergency Response Training

Appendix E

Regulatory Database Report

1960 E Grand Avenue
1960 E Grand Avenue
El Segundo, CA 90245

Inquiry Number: 05796768.2r
September 19, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

COORDINATES

Latitude (North):	33.9185890 - 33° 55' 6.92''
Longitude (West):	118.3937190 - 118° 23' 37.38''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371162.7
UTM Y (Meters):	3753809.8
Elevation:	118 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TISHMAN SPEYER PROPE	1960 E GRAND AVE	CA HAZNET		TP
A2	TEAM ONE ADVERTISING	1960 EAST GRAND AVE	CA HAZNET		TP
A3	COMMONWEALTH GRAND A	1960 E GRAND AVE	CA HAZNET, CA CERS		TP
A4	TEAM ONE ADVERTISING	1960 EAST GRAND AVE	RCRA-SQG, FINDS, ECHO		TP
A5	TEAM ONE ADVERTISING	1960 E GRAND AVE 7TH	CA HAZNET		TP
A6	REALITY ASSOCIATES F	1960 E GRAND AVE	CA HAZNET		TP
A7	REALITY ASSOCIATES F	1960 E GRAND AVE	FINDS		TP
B8	MATTEL INC	1955 E GRAND AVE	RCRA-SQG, CA LUST, FINDS, ECHO, CA EMI, CA HIST...	Lower	154, 0.029, NNE
B9	GLOBAL SOLUTIONS	1955 GRAND AVE	CA LUST, CA CERS	Lower	154, 0.029, NNE
B10	UNITED AIRLINES	1955 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	154, 0.029, NNE
B11	GLOBAL SOLUTIONS	1955 GRAND AVE	CA RGA LUST	Lower	154, 0.029, NNE
B12	MATTEL TOYS	1955 E. GRAND AVE.	CA UST	Lower	154, 0.029, NNE
C13	PRUDENTIAL INSURANCE	222 N SEPULVEDA BL	CA SWEEPS UST, CA EMI	Lower	223, 0.042, WNW
C14	PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	CA AST	Lower	223, 0.042, WNW
C15	PACIFIC CORPORATE TO	222 N. SEPULVEDA BL.	CA UST	Lower	223, 0.042, WNW
D16	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA RGA LUST	Lower	435, 0.082, ENE
D17	HUGHES SPACE & COMMU	1990 E. GRAND AVENUE	CA UST	Lower	435, 0.082, ENE
D18	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA CERS	Lower	435, 0.082, ENE
D19	HUGHES AIRCRAFT CO C	1990 GRAND AVE	CA RGA LUST	Lower	435, 0.082, ENE
D20	DOUBLE TREE EL SEGUN	1985 E GRAND AVE	CA CHMIRS, CA CERS	Higher	458, 0.087, NE
E21	ING	200 N SEPULVEDA BLVD	CA AST	Lower	515, 0.098, West
E22	CHEVRONTEXACO CREDIT	200 N SEPULVEDA BLVD	EDR Hist Auto	Lower	515, 0.098, West
E23	CETERA FINANCIAL GRO	200 N SEPULVEDA BLVD	CA AST	Lower	515, 0.098, West
E24	HUGHES AIRCRAFT CO S	200 N SEPULVEDA BLVD	RCRA-SQG, FINDS, ECHO	Lower	515, 0.098, West
E25	PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	CA SWEEPS UST	Lower	515, 0.098, West
F26	PACIFIC CORPORATE TO	100 N. SEPULVEDA BL.	CA UST	Lower	528, 0.100, SW
F27	WASH MLTFMILY LDRY S	100 N SEPULVEDA BLVD	EDR Hist Cleaner	Lower	528, 0.100, SW
E28	CETERA FINANCIAL GRO	200 N PACIFIC COAST	CA CERS TANKS, CA CERS	Lower	530, 0.100, WSW
G29		SEPULVEDA & GRAND	CA CHMIRS	Lower	559, 0.106, WNW
H30	MATTEL, INC.	333 N. CONTINENTAL B	CA UST	Higher	596, 0.113, NE
H31	MATTEL, INC.	333 CONTINENTAL BLVD	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA EMI,...	Higher	596, 0.113, NE
E32	THE GREAT SEPULVEDA	125 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA CERS	Lower	622, 0.118, WSW
I33	XEROX CORPORATION	1990 XEROX CENTER DR	CA UST	Higher	637, 0.121, ESE
I34	CONTINENTAL BUILDING	101 CONTINENTAL BLVD	CA UST	Higher	726, 0.138, SE
I35	CONTINENTAL TOWER	101 CONTINENTAL BLVD	CA CERS TANKS, CA HAZNET, CA CERS	Higher	726, 0.138, SE
I36	XEROX CORP	101 CONTINENTAL	CA SWEEPS UST, CA HAZNET, CA LOS ANGELES CO. HMS	Higher	726, 0.138, SE
J37	JIM & JACK AUTO BODY	307 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Lower	732, 0.139, NW
G38	KEVORK TEXACO	307 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA CERS	Lower	743, 0.141, WNW
G39	HAGOP KIZIRIAN	307 N SEPULVEDA BLVD	CA HIST UST	Lower	743, 0.141, WNW

MAPPED SITES SUMMARY

Target Property Address:
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	KEVORK'S TEXACO	307 N. SEPULVEDA BLV	CA UST	Lower	743, 0.141, WNW
G41	TEXCO GAS STATION	307 N SEPULVEDA BLV	EDR Hist Auto	Lower	743, 0.141, WNW
J42	LAX BUSINESS CENTER	360 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	781, 0.148, NW
J43	HUGHES AIRCRAFT CO E	360 N. SEPULVEDA BLV	RCRA-SQG, FINDS, ECHO	Higher	781, 0.148, NW
J44	LAX BUSINESS CENTER	360 N. SEPULVEDA BLV	CA UST	Higher	781, 0.148, NW
J45		360 N SEPULVEDA	CA CHMIRS	Higher	781, 0.148, NW
H46	MATTEL TOYS INC	335 CONTINENTAL BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	808, 0.153, NE
J47	LAX BUSINESS CENTER	300 360 AND 390 N SE	CA HIST UST	Higher	824, 0.156, NW
K48	CHEVRON STATIONS INC	101 S SEPULVEDA BLVD	EDR Hist Auto	Lower	843, 0.160, SW
K49	MCDONALD'S RESTAURAN	101 S SEPULVEDA BLVD	CA HIST UST, CA LOS ANGELES CO. HMS	Lower	843, 0.160, SW
K50	CHEVRON 97879	101 S SEPULVEDA BLVD	RCRA-SQG	Lower	843, 0.160, SW
K51	CHEVRON PRODUCTS COM	101 S. SEPULVEDA BL.	CA UST	Lower	843, 0.160, SW
I52	MERISEL	200 N. CONTINENTAL B	CA UST	Higher	851, 0.161, ESE
K53	CHEVRON STATION# 978	101 S PACIFIC COAST	CA CERS HAZ WASTE, CA CERS TANKS, CA CHMIRS, CA...	Lower	854, 0.162, SW
J54	WALGREENS #9882	331 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Lower	907, 0.172, NW
J55	WALGREENS #9882	N SEPULVEDA BLVD	RCRA-VSQG, FINDS	Lower	907, 0.172, NW
K56	CHEVRON #9-7879	101 SEPULVEDA BLVD S	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA LOS...	Lower	970, 0.184, SW
L57	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	993, 0.188, SE
L58		2000 EAST EL SEGUNDO	CA CHMIRS	Higher	993, 0.188, SE
L59	BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	CA AST	Higher	993, 0.188, SE
L60	RAYTHEON SPACE AND A	2000 E. EL SEGUNDO B	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	993, 0.188, SE
L61	RAYTHEON SYSTEMS COM	2000 E. EL SEGUNDO B	CA UST	Higher	993, 0.188, SE
L62	RAYTHEON CO	2000 E EL SEGUNDO BL	CA ENVIROSTOR, CA CHMIRS, CA NPDES, CA CIWQS, CA...	Higher	993, 0.188, SE
L63	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA SWEEPS UST, CA CHMIRS, CA HAZNET, CA ICE, CA...	Higher	993, 0.188, SE
L64	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA LUST, CA HIST CORTESE, CA CERS	Higher	993, 0.188, SE
L65	RAYTHEON COMPANY	2000 E. EL SEGUNDO B	CA UST	Higher	993, 0.188, SE
L66	RAYTHEON	2000 E EL SEGUNDO BL	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS	Higher	993, 0.188, SE
L67	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	993, 0.188, SE
L68		2000 BLOCK E. EL SEG	CA AST, CA CHMIRS	Higher	993, 0.188, SE
L69	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	993, 0.188, SE
K70	CHEVRON TRAINING CEN	135 S SEPULVEDA BLVD	EDR Hist Auto	Lower	995, 0.188, SW
L71	RAYTHEON COMPANY	2002 E EL SEGUNDO BL	CA AST	Higher	999, 0.189, SE
L72	RAYTHEON COMPANY	2006 E EL SEGUNDO BL	CA AST	Higher	1013, 0.192, SE
L73	RAYTHEON COMPANY	2006 E EL SEGUNDO BL	CA UST	Higher	1013, 0.192, SE
L74	RAYTHEON COMPANY	2008 E EL SEGUNDO BL	CA UST	Higher	1019, 0.193, SE
L75	RAYTHEON COMPANY	2008 E EL SEGUNDO BL	CA AST	Higher	1019, 0.193, SE
L76	RAYTHEON COMPANY	2008 E EL SEGUNDO BL	CA CERS TANKS, CA CERS	Higher	1019, 0.193, SE
L77	RAYTHEON SYSTEMS COM	2012 E. EL SEGUNDO B	CA UST	Higher	1033, 0.196, SE
L78	RAYTHEON COMPANY	2012 E EL SEGUNDO BL	CA AST	Higher	1033, 0.196, SE

MAPPED SITES SUMMARY

Target Property Address:
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
M79	HUGHES AIRCRAFT CO.	101 NORTH SEPULVEDA	RCRA-SQG, FINDS, ECHO	Lower	1033, 0.196, WSW
M80	INFINEON TECHNOLOGIE	101 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS	Lower	1033, 0.196, WSW
M81	JOE BOB CHEVRON	101 SEPULVEDA BLV	EDR Hist Auto	Lower	1036, 0.196, WSW
M82	CHEVRON	101 SEPULVEDA BLVD S	CA RGA LUST	Lower	1036, 0.196, WSW
M83	CHEVRON #9-7879	101 SEPULVEDA BLVD S	CA RGA LUST	Lower	1036, 0.196, WSW
L84	RAYTHEON COMPANY	2014 E EL SEGUNDO BL	CA AST	Higher	1040, 0.197, SE
L85	RAYTHEON COMPANY	2018 E EL SEGUNDO BL	CA AST	Higher	1053, 0.199, SE
L86	RAYTHEON COMPANY	2018 E EL SEGUNDO BL	CA UST	Higher	1053, 0.199, SE
N87	SAPA ANODIZING INC	400 N CONTINENTAL BL	RCRA-SQG, FINDS, ECHO	Lower	1070, 0.203, NE
N88	ANODIZING INC	400 N CONTINENTAL BL	CA AST, CA HAZNET	Lower	1070, 0.203, NE
O89	CONTINENTAL GRAND OF	2100 E GRAND AVE	CA UST	Lower	1078, 0.204, ENE
O90	COMPUTER SCIENCES CO	2100 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	1078, 0.204, ENE
P91	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	RCRA-SQG, FINDS, ECHO	Higher	1126, 0.213, NNE
P92	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA NPDES, CA...	Higher	1126, 0.213, NNE
Q93		300 NO. CONTINENTAL	CA CHMIRS	Lower	1132, 0.214, ENE
Q94	CONTINENTAL GRAND	300 CONTINENTAL BLVD	CA CERS HAZ WASTE, CA CERS	Lower	1132, 0.214, ENE
95		2101 E EL SEGUNDO BL	CA UST	Higher	1150, 0.218, ESE
96	CHEVRON USA PRODUCTS	324 EL SEGUNDO BLVD.	CA UST	Lower	1175, 0.223, West
R97		150 S. SEPULVEDA BLV	CA CHMIRS	Lower	1218, 0.231, SSW
S98		1720 E. HOLLY ST	CA CHMIRS	Lower	1235, 0.234, WNW
S99	SPECTRUM METAL FINIS	1720 E HOLLY AVE	RCRA-SQG, CA EMI, CA HAZNET, CA LOS ANGELES CO....	Lower	1235, 0.234, WNW
100	RALPHS GROCERY #645	500 N. SEPULVEDA BLV	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Higher	1237, 0.234, NNW
T101	CITY OF EL SEGUNDO	150 ILLINOIS ST.	CA UST	Lower	1267, 0.240, WNW
T102	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA SWEEPS UST	Lower	1267, 0.240, WNW
T103	EL SEGUNDO MAINTENAN	150 ILLINOIS ST	CA HIST UST	Lower	1267, 0.240, WNW
T104	EL SEGUNDO CITY	150 ILLINOIS ST	CA CERS HAZ WASTE, CA HIST UST, CA CERS TANKS,...	Lower	1267, 0.240, WNW
T105	CITY OF EL SEGUNDO	150 ILLINOIS STREET	CA RGA LUST	Lower	1267, 0.240, WNW
T106	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA RGA LUST	Lower	1267, 0.240, WNW
T107	BERGAN BRUNSWICK	150 ILLINOIS	CA LUST, CA CHMIRS, CA HIST CORTESE, CA CERS	Lower	1267, 0.240, WNW
T108	BUSS SYS INC	202 ILLINOIS	CA CHMIRS, CA EMI	Lower	1277, 0.242, WNW
T109		1700 E GRAND AVE	RCRA-LQG, CA HAZNET	Lower	1282, 0.243, WNW
T110	SPIN FORGE A DIV OF	1700 E GRAND AVE	RCRA-SQG, FINDS, ECHO, CA HAZNET, CA WDS	Lower	1282, 0.243, WNW
T111	A AND A WASTE ROLL	1700 EAST GRAND AVEN	CA RGA LF	Lower	1282, 0.243, WNW
T112	A AND A WASTE ROLL O	1700 EAST GRAND AVEN	CA RGA LF	Lower	1282, 0.243, WNW
R113	ALLIED SALES & SALVA	160 SEPULVEDA	CA ENVIROSTOR, CA HIST CORTESE	Lower	1301, 0.246, SSW
R114	ALLIED SALES & SALVA	160 S SEPULVEDA BLVD	SEMS-ARCHIVE	Lower	1301, 0.246, SSW
115	WEST COAST BARRIER P	EL SEGUNDO BLVD	CA CPS-SLIC, CA CHMIRS, CA WDS, CA CERS	Lower	1386, 0.262, WSW
116	INERNATIONAL RECTIFI	1521 GRAND AVE	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SWEEPS UST, CA...	Higher	1734, 0.328, WNW
U117	NORTHROP CORP AIRCRA	2031 E MARIPOSA AVE	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	1772, 0.336, NNE

MAPPED SITES SUMMARY

Target Property Address:
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
U118	MATTEL TOYS INC	2031 MARIPOSA	RCRA-LQG, CA CERS HAZ WASTE, FINDS, ECHO, CA HWP,..	Lower	1772, 0.336, NNE
U119	NORTHROP CORP-AIRCRA	2031 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1772, 0.336, NNE
V120	AMPEX CORPORATION SI	200 NASH ST N	CA RGA LUST	Lower	1854, 0.351, ESE
V121	AMPEX CORPORATION SI	200 NASH ST N	CA LUST, CA HIST UST, CA ENF, CA HIST CORTESE, CA...	Lower	1854, 0.351, ESE
V122	AMPEX CORPORATION SI	198 NASH ST N	CA RGA LUST	Lower	1856, 0.352, ESE
123	UNOCAL #5866	603 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Higher	1983, 0.376, NNW
W124	NORTHROP CORP AIRCRA	2043 E MARIPOSA AVEN	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	1998, 0.378, NNE
W125	NORTHROP CORP/AIRCRA	2043 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1998, 0.378, NNE
X126	UNITED AIRLINE FLIGH	444 NASH ST.	CA RGA LUST	Lower	2001, 0.379, ENE
X127	UNITED AIRLINE FLIGH	444 NASH ST	CA LUST	Lower	2001, 0.379, ENE
X128	UNITED AIRLINE FLIGH	444 NASH ST	CA RGA LUST	Lower	2001, 0.379, ENE
X129	UNITED AIRLINES FLIG	444 NASH ST	CA LUST, CA SWEEPS UST, CA EMI, CA HIST CORTESE,...	Lower	2001, 0.379, ENE
Y130	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2002, 0.379, West
Y131	INTERNATIONAL RECTIF	233 KANSAS ST	CA ENVIROSTOR, CA LUST, CA CPS-SLIC, CA HIST...	Higher	2002, 0.379, West
Y132	INTERNATIONAL RECTIF	233 KANSAS ST.	CA RGA LUST	Higher	2002, 0.379, West
Y133	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2002, 0.379, West
Y134	INTERNATIONAL RECTIF	233 KANSAS	CA CPS-SLIC	Higher	2002, 0.379, West
Z135	PILLACK PROPERTY	1410 GRAND	CA HIST CORTESE	Higher	2204, 0.417, West
Z136	PILLACK PROPERTY	1410 GRAND AVE	CA LUST, CA CERS	Higher	2204, 0.417, West
Y137	INFINEON PROPERTIES	270 CALIFORNIA, 1413	CA ENVIROSTOR, CA VCP	Higher	2207, 0.418, West
AA138	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA LUST, CA CERS HAZ WASTE, CA SWEEPS UST, CA LOS..	Lower	2207, 0.418, North
AA139	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA RGA LUST	Lower	2207, 0.418, North
AB140	DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	CA ENVIROSTOR	Higher	2385, 0.452, NNW
AB141	DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	SEMS-ARCHIVE	Higher	2385, 0.452, NNW
142	HILTON GARDEN INN	MARIPOSA AVENUE AND	CA ENVIROSTOR, CA VCP	Lower	2393, 0.453, NE
143	HUGHES AIRCRAFT-EDSG	1920 MAPLE ST E	CA LUST, CA HIST CORTESE, CA CERS	Lower	2462, 0.466, North
144	1330 EAST FRANKLIN A	1330 EAST FRANKLIN A	CA ENVIROSTOR, CA VCP	Higher	2538, 0.481, West
145	FORMER NORTH AMERICA	400 DULEY ROAD	CA ENVIROSTOR, CA VCP, CA NPDES, CA CIWQS	Lower	2609, 0.494, ENE
146	RAYTHEON CO	2030 MAPLE AVE	CA ENVIROSTOR, CA HWP, CA CERS	Lower	2797, 0.530, NNE
147	RADIANT SERVICES	200 NEVADA STREET	CA ENVIROSTOR, CA VCP	Lower	2856, 0.541, West
AC148	201 N. DOUGLAS PROPE	201 N. DOUGLAS STREE	CA ENVIROSTOR, CA SCH	Lower	3005, 0.569, East
149	HUGHES AIRCRAFT/GILB	800 N. SEPULVEDA BLV	CA ENVIROSTOR, CA VCP	Higher	3043, 0.576, NNW
AC150	FORT MCARTHUR	200 NORTH DOUGLAS ST	CA BOND EXP. PLAN	Lower	3091, 0.585, East
151	134 CENTER STREET	134 CENTER STREET	CA ENVIROSTOR, CA VCP	Lower	3192, 0.605, West
AD152	EL SEGUNDO STORAGE A		CA ENVIROSTOR	Higher	3684, 0.698, NNW
AD153	NWRIP DOD #26		CA ENVIROSTOR	Higher	3684, 0.698, NNW
AD154	EL SEGUNDO STORAGE A		FUDS	Higher	3689, 0.699, NNW
AE155	THE BOEING COMPANY	1920 E IMPERIAL HWY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	4034, 0.764, North
AE156	BOEING SATELLITE SYS	1920 E IMPERIAL HWY	CA ENVIROSTOR, CA DEED	Lower	4034, 0.764, North

MAPPED SITES SUMMARY

Target Property Address:
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AF157	ROCKWELL INT'L CORP/	827 N DOUGLAS	CA ENVIROSTOR, CA HWP	Lower	4224, 0.800, NE
AF158	ROCKWELL INTERNATION	815 LAPHAM ST	CORRACTS, RCRA-TSDF, RCRA-SQG, PADS, NY MANIFEST	Lower	4224, 0.800, NE
AF159	ROCKWELL INTERNATION	827 DOUGLAS	CA ENVIROSTOR, CA CPS-SLIC, CA SCH, CA HIST...	Lower	4224, 0.800, NE
160	WEST COMPLEX FACILIT	1 HORNET WAY	CA HWP, CA NPDES, CA WDS, CA CIWQS, CA CERS	Lower	4248, 0.805, East
161	NORTHROP GRUMMAN COR	800 NO DOUGLAS	CA ENVIROSTOR	Lower	4301, 0.815, ENE
162	H. KRAMER & CO.	1 CHAPMAN	CA ENVIROSTOR, CA CPS-SLIC, CA ENF, LA Co. Site...	Lower	4422, 0.837, SE
163	GARRETT AVIATION SVC	6201 W. IMPERIAL HIG	CA ENVIROSTOR, CA CERS HAZ WASTE, CA CERS TANKS,..	Lower	4595, 0.870, North
164	NORTH AMERICAN AIRCR		CA ENVIROSTOR	Lower	4645, 0.880, NNE
165	NORTHROP GRUMMAN EL	1 HORNET WAY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,	Lower	4649, 0.880, ENE
AG166	STANDARD OIL CO.		CA ENVIROSTOR	Lower	4826, 0.914, WSW
AG167	STANDARD OIL CO.		FUDS	Lower	4831, 0.915, WSW
AH168	SPERRY GYROSCOPE COR		FUDS	Lower	5024, 0.952, NNE
AH169	SPERRY GYROSCOPE COR		CA ENVIROSTOR	Lower	5030, 0.953, NNE
AI170	GENERAL CHEMICAL CO.		FUDS	Higher	5074, 0.961, SSW
AI171	GENERAL CHEMICAL CO.		CA ENVIROSTOR	Higher	5075, 0.961, SSW
172	ALLIED CHEM CORP EL	850 S SEPULVEDA BLVD	SEMS, RCRA-SQG, CA HIST UST, CA EMI, CA Notify 65,...	Higher	5227, 0.990, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TISHMAN SPEYER PROPE 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002645577	N/A
TEAM ONE ADVERTISING 1960 EAST GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAD982504094	N/A
COMMONWEALTH GRAND A 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002566252 CA CERS	N/A
TEAM ONE ADVERTISING 1960 EAST GRAND AVE EL SEGUNDO, CA 90245	RCRA-SQG EPA ID:: CAD982504094 FINDS Registry ID:: 110002835175 ECHO Registry ID: 110002835175	CAD982504094
TEAM ONE ADVERTISING 1960 E GRAND AVE 7TH EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAL000106192	N/A
REALITY ASSOCIATES F 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002702990	N/A
REALITY ASSOCIATES F 1960 E GRAND AVE EL SEGUNDO, CA 90245	FINDS Registry ID:: 110064930311	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE ---------- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF ---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS ---------- Considered Brownfieds Sites Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT ---------- Waste Management Unit Database
CA SWRCY ---------- Recycler Database
CA HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN ---------- Key Areas of Concerns in Los Angeles County
US HIST CDL ---------- Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites ---------- Historical Calsites Database
CA CDL ---------- Clandestine Drug Labs
CA Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register
CA PFAS ---------- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST ---------- Facility Inventory Database

Local Land Records

CA LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CA LDS ---------- Land Disposal Sites Listing
CA MCS ---------- Military Cleanup Sites Listing

Other Ascertainable Records

DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST ---------- EPA WATCH LIST
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties

FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA Cortese	"Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings	CUPA Resources List
CA DRYCLEANERS	Cleaner Facilities
CA Financial Assurance	Financial Assurance Information Listing
CA HWT	Registered Hazardous Waste Transporter Database
CA MINES	Mines Site Location Listing
CA MWMP	Medical Waste Management Program Listing
CA PEST LIC	Pesticide Regulation Licenses Listing
CA PROC	Certified Processors Database
CA UIC	UIC Listing
CA UIC GEO	UIC GEO (GEOTRACKER)
CA WASTEWATER PITS	Oil Wastewater Pits Listing
CA WIP	Well Investigation Program Case List
CA MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT	PROJECT (GEOTRACKER)
CA WDR	Waste Discharge Requirements Listing
CA NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
CA WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
CA LOS ANGELES CO LF METHANE	Methane Producing Landfills

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/19/2019 has revealed that there are 5 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A Site ID: 0903300 EPA Id: CAD000633230	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***
INERNATIONAL RECTIFI Site ID: 0905276 EPA Id: CAD076208313	***1521 GRAND AVE***	***WNW 1/4 - 1/2 (0.328 mi.)***	***116***	***366***
DEVLIN PHARMACEUTICA Site ID: 0902293 EPA Id: CAD981373848	700 N SEPULVEDA BLVD	NNW 1/4 - 1/2 (0.452 mi.)	AB141	471

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLIED SALES & SALVA Site ID: 0901503 EPA Id: CAD063821789	160 S SEPULVEDA BLVD	SSW 1/8 - 1/4 (0.246 mi.)	R114	362
NORTHROP CORP AIRCRA Site ID: 0900299 EPA Id: CAD000627216	***2043 E MARIPOSA AVEN***	***NNE 1/4 - 1/2 (0.378 mi.)***	***W124***	***425***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2019 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***

EPA ID:: CAD000633230

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA EPA ID:: CAD000627216	***2043 E MARIPOSA AVEN***	***NNE 1/4 - 1/2 (0.378 mi.)***	***W124***	***425***
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***N 1/2 - 1 (0.764 mi.)***	***AE155***	***526***
ROCKWELL INTERNATION EPA ID:: CAD097855126	***815 LAPHAM ST***	***NE 1/2 - 1 (0.800 mi.)***	***AF158***	***593***
NORTHROP GRUMMAN EL EPA ID:: CAD000627273	***1 HORNET WAY***	***ENE 1/2 - 1 (0.880 mi.)***	***165***	***635***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/25/2019 has revealed that there are 3 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A EPA ID:: CAD000633230	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA EPA ID:: CAD009687336	***2031 E MARIPOSA AVE***	***NNE 1/4 - 1/2 (0.336 mi.)***	***U117***	***385***
NORTHROP CORP AIRCRA EPA ID:: CAD000627216	***2043 E MARIPOSA AVEN***	***NNE 1/4 - 1/2 (0.378 mi.)***	***W124***	***425***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/25/2019 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A EPA ID:: CAD000633230	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported EPA ID:: CAD028131761	***1700 E GRAND AVE***	***WNW 1/8 - 1/4 (0.243 mi.)***	***T109***	***352***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/25/2019 has revealed that there are 9 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO E EPA ID:: CAD981397961	***360 N. SEPULVEDA BLV***	***NW 1/8 - 1/4 (0.148 mi.)***	***J43***	***100***
TELEDYNE CONTROLS LL EPA ID:: CAD981407216	***501 CONTINENTAL BLVD***	***NNE 1/8 - 1/4 (0.213 mi.)***	***P91***	***281***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC EPA ID:: CAD983655804	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.029 mi.)***	***B8***	***18***
HUGHES AIRCRAFT CO S EPA ID:: CAD982500373	***200 N SEPULVEDA BLVD***	***W 0 - 1/8 (0.098 mi.)***	***E24***	***49***
CHEVRON 97879 EPA ID:: CAR000119909	101 S SEPULVEDA BLVD	SW 1/8 - 1/4 (0.160 mi.)	K50	107
HUGHES AIRCRAFT CO. EPA ID:: CAD981407513	***101 NORTH SEPULVEDA***	***WSW 1/8 - 1/4 (0.196 mi.)***	***M79***	***258***
SAPA ANODIZING INC EPA ID:: CAR000085407	***400 N CONTINENTAL BL***	***NE 1/8 - 1/4 (0.203 mi.)***	***N87***	***275***
SPECTRUM METAL FINIS EPA ID:: CAD009661802	***1720 E HOLLY AVE***	***WNW 1/8 - 1/4 (0.234 mi.)***	***S99***	***312***
SPIN FORGE A DIV OF EPA ID:: CAR000038240	***1700 E GRAND AVE***	***WNW 1/8 - 1/4 (0.243 mi.)***	***T110***	***355***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1

RCRA-VSQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #9882 EPA ID:: CAL000327767	***N SEPULVEDA BLVD***	***NW 1/8 - 1/4 (0.172 mi.)***	***J55***	***127***

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 04/29/2019 has revealed that there are 27 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON CO Facility Id: 80001335 Status: Active	***2000 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.188 mi.)***	***L62***	***190***
INTERNATIONAL RECTIF Facility Id: 19360533 Status: Refer: RWQCB	***233 KANSAS ST***	***W 1/4 - 1/2 (0.379 mi.)***	***Y131***	***448***
INFINEON PROPERTIES Facility Id: 60002691 Status: Active	***270 CALIFORNIA, 1413***	***W 1/4 - 1/2 (0.418 mi.)***	***Y137***	***459***
DEVLIN PHARMACEUTICA Facility Id: 19280313 Status: No Further Action	700 NORTH SEPULVEDA	NNW 1/4 - 1/2 (0.452 mi.)	AB140	470
1330 EAST FRANKLIN A Facility Id: 60002376 Status: Active	***1330 EAST FRANKLIN A***	***W 1/4 - 1/2 (0.481 mi.)***	***144***	***478***
HUGHES AIRCRAFT/GILB Facility Id: 19370368 Status: No Further Action	***800 N. SEPULVEDA BLV***	***NNW 1/2 - 1 (0.576 mi.)***	***149***	***517***
EL SEGUNDO STORAGE A Facility Id: 80000076 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.698 mi.)	AD152	524
NWRIP DOD #26 Facility Id: 80000638 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.698 mi.)	AD153	525
GENERAL CHEMICAL CO. Facility Id: 80001008		SSW 1/2 - 1 (0.961 mi.)	AI171	700

Status: Inactive - Needs Evaluation

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLIED SALES & SALVA	***160 SEPULVEDA***	***SSW 1/8 - 1/4 (0.246 mi.)***	***R113***	***360***
Facility Id: 19500011				
Status: Refer: Other Agency				
NORTHROP CORP-AIRCRA	2031 E MARIPOSA AVE	NNE 1/4 - 1/2 (0.336 mi.)	U119	412
Facility Id: 80001646				
Status: No Action Required				
NORTHROP CORP/AIRCRA	2043 E MARIPOSA AVE	NNE 1/4 - 1/2 (0.378 mi.)	W125	436
Facility Id: 80001309				
Status: No Action Required				
HILTON GARDEN INN	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***142***	***473***
Facility Id: 19130106				
Status: No Further Action				
FORMER NORTH AMERICA	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.494 mi.)***	***145***	***485***
Facility Id: 60000905				
Status: No Further Action				
RAYTHEON CO	***2030 MAPLE AVE***	***NNE 1/2 - 1 (0.530 mi.)***	***146***	***497***
Facility Id: 60001344				
Status: Active				
RADIANT SERVICES	***200 NEVADA STREET***	***W 1/2 - 1 (0.541 mi.)***	***147***	***501***
Facility Id: 19130119				
Status: Active				
201 N. DOUGLAS PROPE	***201 N. DOUGLAS STREE***	***E 1/2 - 1 (0.569 mi.)***	***AC148***	***505***
Facility Id: 60001802				
Status: Active				
134 CENTER STREET	***134 CENTER STREET***	***W 1/2 - 1 (0.605 mi.)***	***151***	***521***
Facility Id: 60002642				
Status: Active				
BOEING SATELLITE SYS	***1920 E IMPERIAL HWY***	***N 1/2 - 1 (0.764 mi.)***	***AE156***	***584***
Facility Id: 80001440				
Status: Active				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AF157***	***590***
Facility Id: 80001734				
Status: No Further Action				
ROCKWELL INTERNATION	***827 DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AF159***	***601***
Facility Id: 60001621				
Status: Inactive - Needs Evaluation				
NORTHROP GRUMMAN COR	800 NO DOUGLAS	ENE 1/2 - 1 (0.815 mi.)	161	617
Facility Id: 80001311				
Status: Inactive - Needs Evaluation				
H. KRAMER & CO.	***1 CHAPMAN***	***SE 1/2 - 1 (0.837 mi.)***	***162***	***618***
Facility Id: 19330144				
Status: Refer: Other Agency				
GARRETT AVIATION SVC	***6201 W. IMPERIAL HIG***	***N 1/2 - 1 (0.870 mi.)***	***163***	***624***
Facility Id: 71003574				
Status: Refer: Other Agency				
NORTH AMERICAN AIRCR		NNE 1/2 - 1 (0.880 mi.)	164	633

Facility Id: 80000838
Facility Id: 80000839
Status: Inactive - Needs Evaluation

STANDARD OIL CO. Facility Id: 80001144 Status: Inactive - Needs Evaluation	WSW 1/2 - 1 (0.914 mi.)	AG166	697
SPERRY GYROSCOPE COR Facility Id: 80000842 Status: Inactive - Needs Evaluation	NNE 1/2 - 1 (0.953 mi.)	AH169	699

State and tribal leaking storage tank lists

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 17 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT COMP Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: R-10917 Status: Case Closed Global Id: T0603792958 Global ID: T0603792958	***2000 EL SEGUNDO BLVD***	***SE 1/8 - 1/4 (0.188 mi.)***	***L64***	***233***
INERNATIONAL RECTIFI Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 908130489 Status: Remedial action (cleanup) Underway Global ID: T0603701959	***1521 GRAND AVE***	***WNW 1/4 - 1/2 (0.328 mi.)***	***116***	***366***
UNOCAL #5866 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-09969 Status: Case Closed Global Id: T0603703539 Global ID: T0603703539	***603 SEPULVEDA BLVD N***	***NNW 1/4 - 1/2 (0.376 mi.)***	***123***	***422***
INTERNATIONAL RECTIF Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: I-15781 Status: Preliminary site assessment underway Global ID: T0603704349	***233 KANSAS ST***	***W 1/4 - 1/2 (0.379 mi.)***	***Y131***	***448***
PILLACK PROPERTY Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed	***1410 GRAND AVE***	***W 1/4 - 1/2 (0.417 mi.)***	***Z136***	***456***

Facility Id: I-14091
Status: Case Closed
Global Id: T0603704135
Global ID: T0603704135

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.029 mi.)***	***B8***	***18***
Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Global Id: T0603701269				
GLOBAL SOLUTIONS	***1955 GRAND AVE***	***NNE 0 - 1/8 (0.029 mi.)***	***B9***	***29***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 902450089 Status: Case Closed Global ID: T0603701269				
HUGHES AIRCRAFT CO C	***1990 GRAND AVE E***	***ENE 0 - 1/8 (0.082 mi.)***	***D18***	***36***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: R-13532 Status: Case Closed Global Id: T0603705198 Global ID: T0603705198				
JIM & JACK AUTO BODY	***307 SEPULVEDA BLVD N***	***NW 1/8 - 1/4 (0.139 mi.)***	***J37***	***90***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-13092 Status: Case Closed Global Id: T0603704033 Global ID: T0603704033				
CHEVRON #9-7879	***101 SEPULVEDA BLVD S***	***SW 1/8 - 1/4 (0.184 mi.)***	***K56***	***130***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-09890 Status: Case Closed Global Id: T0603703512 Global ID: T0603703512				
CITY OF EL SEGUNDO	***150 ILLINOIS ST***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T102***	***324***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-20565 Status: Leak being confirmed Global ID: T0603705310				
BERGAN BRUNSWICK	***150 ILLINOIS***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T107***	***347***
Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Global Id: T0603705310				
AMPEX CORPORATION SI	***200 NASH ST N***	***ESE 1/4 - 1/2 (0.351 mi.)***	***V121***	***414***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019				

Status: Completed - Case Closed
Facility Id: R-24347
Status: Leak being confirmed
Global Id: T0603705447
Global ID: T0603705447

UNITED AIRLINE FLIGH | 444 NASH ST | ENE 1/4 - 1/2 (0.379 mi.) | X127 | 437
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-12973
Status: Case Closed
Global ID: T0603704019

UNITED AIRLINES FLIG | ***444 NASH ST*** | ***ENE 1/4 - 1/2 (0.379 mi.)*** | ***X129*** | ***440***
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Global Id: T0603704019

BLACKMORE ASSOCIATES | ***700 LAIRPORT ST*** | ***N 1/4 - 1/2 (0.418 mi.)*** | ***AA138*** | ***462***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: R-11949
Status: Leak being confirmed
Global Id: T0603705083
Global ID: T0603705083

HUGHES AIRCRAFT-EDSG | ***1920 MAPLE ST E*** | ***N 1/4 - 1/2 (0.466 mi.)*** | ***143*** | ***475***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: R-10916
Status: Case Closed
Global Id: T0603704975
Global ID: T0603704975

CA CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 3 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL RECTIF	***233 KANSAS ST***	***W 1/4 - 1/2 (0.379 mi.)***	***Y131***	***448***
Database: CPS-SLIC, Date of Government Version: 06/10/2019 Facility Status: Completed - Case Closed Global Id: SL184571440				
INTERNATIONAL RECTIF	233 KANSAS	W 1/4 - 1/2 (0.379 mi.)	Y134	456
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST COAST BARRIER P	***EL SEGUNDO BLVD***	***WSW 1/4 - 1/2 (0.262 mi.)***	***115***	***363***
Database: CPS-SLIC, Date of Government Version: 06/10/2019				

Facility Status: Completed - Case Closed
Global Id: SL599992902

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 21 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC. Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 06/10/2019 Facility Id: 300128 Permit Number: 30-0128 Tank Status: UST Removal	333 N. CONTINENTAL B	NE 0 - 1/8 (0.113 mi.)	H30	60
XEROX CORPORATION Database: UST, Date of Government Version: 06/10/2019 Facility Id: 300035	1990 XEROX CENTER DR	ESE 0 - 1/8 (0.121 mi.)	I33	75
CONTINENTAL BUILDING Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 06/10/2019 Permit Number: 30-0035 Permit Number: 30-0493 Tank Status: Open Tanks Tank Status: Change of Information	101 CONTINENTAL BLVD	SE 1/8 - 1/4 (0.138 mi.)	I34	75
LAX BUSINESS CENTER Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: LOS ANGELES UST, Date of Government Version: 06/01/2019 Tank Status: Closed Tanks	360 N. SEPULVEDA BLV	NW 1/8 - 1/4 (0.148 mi.)	J44	102
MERISEL Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks	200 N. CONTINENTAL B	ESE 1/8 - 1/4 (0.161 mi.)	I52	110
RAYTHEON SYSTEMS COM Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 06/10/2019 Facility Id: 300131 Tank Status: Closed Tanks Tank Status: Remediation Tanks	2000 E. EL SEGUNDO B	SE 1/8 - 1/4 (0.188 mi.)	L61	189
RAYTHEON COMPANY Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Permit Number: 30-0131 Tank Status: UST Removal	2000 E. EL SEGUNDO B	SE 1/8 - 1/4 (0.188 mi.)	L65	236
RAYTHEON COMPANY Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 06/10/2019	2006 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.192 mi.)	L73	244

Facility Id: 300170
Permit Number: 30-0170
Tank Status: Closed Tanks
Tank Status: Change of Information

RAYTHEON COMPANY 2008 E EL SEGUNDO BL SE 1/8 - 1/4 (0.193 mi.) L74 246
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300135
Permit Number: 30-0135
Tank Status: Open Tanks
Tank Status: Change of Information

RAYTHEON SYSTEMS COM 2012 E. EL SEGUNDO B SE 1/8 - 1/4 (0.196 mi.) L77 256
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300129
Permit Number: 30-0129
Tank Status: UST Removal

RAYTHEON COMPANY 2018 E EL SEGUNDO BL SE 1/8 - 1/4 (0.199 mi.) L86 273
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300124
Permit Number: 30-0124
Tank Status: Closed Tanks
Tank Status: Change of Information

Not reported 2101 E EL SEGUNDO BL ESE 1/8 - 1/4 (0.218 mi.) 95 309
Database: LOS ANGELES UST, Date of Government Version: 06/01/2019

Lower Elevation	Address	Direction / Distance	Map ID	Page

MATTEL TOYS 1955 E. GRAND AVE. NNE 0 - 1/8 (0.029 mi.) B12 32
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

PACIFIC CORPORATE TO 222 N. SEPULVEDA BL. WNW 0 - 1/8 (0.042 mi.) C15 34
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300212
Permit Number: 30-0212
Permit Number: 30-0211
Tank Status: Closed Tanks
Tank Status: UST Removal

HUGHES SPACE & COMMU 1990 E. GRAND AVENUE ENE 0 - 1/8 (0.082 mi.) D17 36
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

PACIFIC CORPORATE TO 100 N. SEPULVEDA BL. SW 0 - 1/8 (0.100 mi.) F26 51
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300211
Tank Status: Closed Tanks

KEVORK'S TEXACO 307 N. SEPULVEDA BLV WNW 1/8 - 1/4 (0.141 mi.) G40 98
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

CHEVRON PRODUCTS COM 101 S. SEPULVEDA BL. SW 1/8 - 1/4 (0.160 mi.) K51 109
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019

Facility Id: 300020
Permit Number: 30-0020
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: Change of Information

CONTINENTAL GRAND OF — 2100 E GRAND AVE — ENE 1/8 - 1/4 (0.204 mi.) — O89 — 279
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300024
Permit Number: 30-0024
Tank Status: Closed Tanks
Tank Status: UST Removal

CHEVRON USA PRODUCTS — 324 EL SEGUNDO BLVD. — W 1/8 - 1/4 (0.223 mi.) — 96 — 309
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 300112

CITY OF EL SEGUNDO — 150 ILLINOIS ST. — WNW 1/8 - 1/4 (0.240 mi.) — T101 — 322
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 06/10/2019
Facility Id: 10 013 300071
Facility Id: 300071
Permit Number: 30-0071
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: Change of Information

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there are 13 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	***333 CONTINENTAL BLVD***	***NE 0 - 1/8 (0.113 mi.)***	***H31***	***60***
Database: AST, Date of Government Version: 07/06/2016				
BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	SE 1/8 - 1/4 (0.188 mi.)	L59	141
Database: AST, Date of Government Version: 07/06/2016				
Not reported	***2000 BLOCK E. EL SEG***	***SE 1/8 - 1/4 (0.188 mi.)***	***L68***	***240***
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2002 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.189 mi.)	L71	242
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2006 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.192 mi.)	L72	243
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2008 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.193 mi.)	L75	247
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2012 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.196 mi.)	L78	257
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2014 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.197 mi.)	L84	272
Database: AST, Date of Government Version: 07/06/2016				
RAYTHEON COMPANY	2018 E EL SEGUNDO BL	SE 1/8 - 1/4 (0.199 mi.)	L85	272
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	WNW 0 - 1/8 (0.042 mi.)	C14	33
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ING Database: AST, Date of Government Version: 07/06/2016	200 N SEPULVEDA BLVD	W 0 - 1/8 (0.098 mi.)	E21	47
CETERA FINANCIAL GRO Database: AST, Date of Government Version: 07/06/2016	200 N SEPULVEDA BLVD	W 0 - 1/8 (0.098 mi.)	E23	48
ANODIZING INC Database: AST, Date of Government Version: 07/06/2016	***400 N CONTINENTAL BL***	***NE 1/8 - 1/4 (0.203 mi.)***	***N88***	***277***

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 04/29/2019 has revealed that there are 4 CA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INFINEON PROPERTIES Status: Active Facility Id: 60002691	***270 CALIFORNIA, 1413***	***W 1/4 - 1/2 (0.418 mi.)***	***Y137***	***459***
1330 EAST FRANKLIN A Status: Active Facility Id: 60002376	***1330 EAST FRANKLIN A***	***W 1/4 - 1/2 (0.481 mi.)***	***144***	***478***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HILTON GARDEN INN Status: No Further Action Facility Id: 19130106	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***142***	***473***
FORMER NORTH AMERICA Status: No Further Action Facility Id: 60000905	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.494 mi.)***	***145***	***485***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CA CERS HAZ WASTE list, as provided by EDR, and dated 08/14/2019 has revealed that there are 10 CA CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	***333 CONTINENTAL BLVD***	***NE 0 - 1/8 (0.113 mi.)***	***H31***	***60***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON	*2000 E EL SEGUNDO BL*	*SE 1/8 - 1/4 (0.188 mi.)*	*L66*	*237*
TELEDYNE CONTROLS LL	*501 CONTINENTAL BLVD*	*NNE 1/8 - 1/4 (0.213 mi.)*	*P92*	*285*
RALPHS GROCERY #645	*500 N. SEPULVEDA BLV*	*NNW 1/8 - 1/4 (0.234 mi.)*	*100*	*316*

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE GREAT SEPULVEDA	*125 N SEPULVEDA BLVD*	*WSW 0 - 1/8 (0.118 mi.)*	*E32*	*69*
CHEVRON STATION# 978	*101 S PACIFIC COAST*	*SW 1/8 - 1/4 (0.162 mi.)*	*K53*	*111*
WALGREENS #9882	*331 N SEPULVEDA BLVD*	*NW 1/8 - 1/4 (0.172 mi.)*	*J54*	*122*
INFINEON TECHNOLOGIE	*101 N SEPULVEDA BLVD*	*WSW 1/8 - 1/4 (0.196 mi.)*	*M80*	*260*
CONTINENTAL GRAND	*300 CONTINENTAL BLVD*	*ENE 1/8 - 1/4 (0.214 mi.)*	*Q94*	*306*
EL SEGUNDO CITY	*150 ILLINOIS ST*	*WNW 1/8 - 1/4 (0.240 mi.)*	*T104*	*329*

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 12 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
XEROX CORP Status: A Comp Number: 15358	*101 CONTINENTAL*	*SE 1/8 - 1/4 (0.138 mi.)*	*I36*	*89*
LAX BUSINESS CENTER Status: A Comp Number: 12164	*360 N SEPULVEDA BLVD*	*NW 1/8 - 1/4 (0.148 mi.)*	*J42*	*100*
RAYTHEON SPACE AND A Status: A Tank Status: A Comp Number: 10917	*2000 E EL SEGUNDO BL*	*SE 1/8 - 1/4 (0.188 mi.)*	*L63*	*203*

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNITED AIRLINES Status: A Tank Status: A Comp Number: 14047	*1955 E GRAND AVE*	*NNE 0 - 1/8 (0.029 mi.)*	*B10*	*30*
PRUDENTIAL INSURANCE Status: A Tank Status: A Comp Number: 13279	*222 N SEPULVEDA BL*	*WNW 0 - 1/8 (0.042 mi.)*	*C13*	*33*
HUGHES AIRCRAFT CO C Status: A Tank Status: A Comp Number: 13532	*1990 GRAND AVE E*	*ENE 0 - 1/8 (0.082 mi.)*	*D18*	*36*
PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	W 0 - 1/8 (0.098 mi.)	E25	51

Status: A
Tank Status: A
Comp Number: 13278

KEVORK TEXACO	***307 N SEPULVEDA BLVD***	***WNW 1/8 - 1/4 (0.141 mi.)***	***G38***	***93***
Status: A Tank Status: A Comp Number: 13092				
MATTEL TOYS INC	***335 CONTINENTAL BLVD***	***NE 1/8 - 1/4 (0.153 mi.)***	***H46***	***104***
Status: A Tank Status: A Comp Number: 12622				
CHEVRON #9-7879	***101 SEPULVEDA BLVD S***	***SW 1/8 - 1/4 (0.184 mi.)***	***K56***	***130***
Status: A Tank Status: A Comp Number: 9890				
COMPUTER SCIENCES CO	***2100 E GRAND AVE***	***ENE 1/8 - 1/4 (0.204 mi.)***	***O90***	***280***
Status: A Comp Number: 14075				
CITY OF EL SEGUNDO	***150 ILLINOIS ST***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T102***	***324***
Status: A Tank Status: A Comp Number: 10045				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAX BUSINESS CENTER	300 360 AND 390 N SE	NW 1/8 - 1/4 (0.156 mi.)	J47	105

Lower Elevation	Address	Direction / Distance	Map ID	Page
HAGOP KIZIRIAN Facility Id: 00000040022	307 N SEPULVEDA BLVD	WNW 1/8 - 1/4 (0.141 mi.)	G39	97
MCDONALD'S RESTAURAN Facility Id: 00000063047	***101 S SEPULVEDA BLVD***	***SW 1/8 - 1/4 (0.160 mi.)***	***K49***	***106***
EL SEGUNDO MAINTENAN Facility Id: 00000047374	150 ILLINOIS ST	WNW 1/8 - 1/4 (0.240 mi.)	T103	327
EL SEGUNDO CITY	***150 ILLINOIS ST***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T104***	***329***

CA CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CA CERS TANKS list, as provided by EDR, and dated 08/14/2019 has revealed that there are 7 CA CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	***333 CONTINENTAL BLVD***	***NE 0 - 1/8 (0.113 mi.)***	***H31***	***60***
CONTINENTAL TOWER	***101 CONTINENTAL BLVD***	***SE 1/8 - 1/4 (0.138 mi.)***	***I35***	***76***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON	***2000 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.188 mi.)***	***L66***	***237***
RAYTHEON COMPANY	***2008 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.193 mi.)***	***L76***	***248***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CETERA FINANCIAL GRO	***200 N PACIFIC COAST***	***WSW 0 - 1/8 (0.100 mi.)***	***E28***	***52***
CHEVRON STATION# 978	***101 S PACIFIC COAST***	***SW 1/8 - 1/4 (0.162 mi.)***	***K53***	***111***
EL SEGUNDO CITY	***150 ILLINOIS ST***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T104***	***329***

Records of Emergency Release Reports

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 05/15/2019 has revealed that there are 13 CA CHMIRS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DOUBLE TREE EL SEGUN OES Incident Number: 18-1326	***1985 E GRAND AVE***	***NE 0 - 1/8 (0.087 mi.)***	***D20***	***40***
Not reported OES Incident Number: 7-4022	360 N SEPULVEDA	NW 1/8 - 1/4 (0.148 mi.)	J45	103
Not reported OES Incident Number: 3-6407 OES Incident Number: 10719	2000 EAST EL SEGUNDO	SE 1/8 - 1/4 (0.188 mi.)	L58	138
RAYTHEON CO OES Incident Number: 1-2235	***2000 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.188 mi.)***	***L62***	***190***
RAYTHEON SPACE AND A OES Incident Number: 08-8955 OES Incident Number: 10-5897	***2000 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.188 mi.)***	***L63***	***203***
Not reported OES Incident Number: 099174 Date Completed: 03-MAY-90	***2000 BLOCK E. EL SEG***	***SE 1/8 - 1/4 (0.188 mi.)***	***L68***	***240***

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported OES Incident Number: 9-4491	SEPULVEDA & GRAND	WNW 0 - 1/8 (0.106 mi.)	G29	57
CHEVRON STATION# 978 OES Incident Number: 18-6804	***101 S PACIFIC COAST***	***SW 1/8 - 1/4 (0.162 mi.)***	***K53***	***111***
Not reported OES Incident Number: 7-1014	300 NO. CONTINENTAL	ENE 1/8 - 1/4 (0.214 mi.)	Q93	305
Not reported OES Incident Number: 9-4354	150 S. SEPULVEDA BLV	SSW 1/8 - 1/4 (0.231 mi.)	R97	310
Not reported OES Incident Number: 798	1720 E. HOLLY ST	WNW 1/8 - 1/4 (0.234 mi.)	S98	311
BERGAN BRUNSWICK	***150 ILLINOIS***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T107***	***347***

OES Incident Number: 991567
Date Completed: 30-SEP-88

BUSS SYS INC	***202 ILLINOIS***	***WNW 1/8 - 1/4 (0.242 mi.)***	***T108***	***351***

OES Incident Number: 2-3793

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/15/2019 has revealed that there are 4 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SEGUNDO STORAGE A		NNW 1/2 - 1 (0.699 mi.)	AD154	526
GENERAL CHEMICAL CO.		SSW 1/2 - 1 (0.961 mi.)	AI170	700

Lower Elevation	Address	Direction / Distance	Map ID	Page
STANDARD OIL CO.		WSW 1/2 - 1 (0.915 mi.)	AG167	698
SPERRY GYROSCOPE COR		NNE 1/2 - 1 (0.952 mi.)	AH168	698

2020 COR ACTION: The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 09/30/2017 has revealed that there is 1 2020 COR ACTION site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***

EPA ID:: CAD000633230

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT MCARTHUR	200 NORTH DOUGLAS ST	E 1/2 - 1 (0.585 mi.)	AC150	520

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 14 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT COMP Reg Id: R-10917X	***2000 EL SEGUNDO BLVD***	***SE 1/8 - 1/4 (0.188 mi.)***	***L64***	***233***
INERNATIONAL RECTIFI Reg Id: 908130489	***1521 GRAND AVE***	***WNW 1/4 - 1/2 (0.328 mi.)***	***116***	***366***
UNOCAL #5866 Reg Id: I-09969	***603 SEPULVEDA BLVD N***	***NNW 1/4 - 1/2 (0.376 mi.)***	***123***	***422***
INTERNATIONAL RECTIF Reg Id: I-15781	***233 KANSAS ST***	***W 1/4 - 1/2 (0.379 mi.)***	***Y131***	***448***
PILLACK PROPERTY Reg Id: I-14091	1410 GRAND	W 1/4 - 1/2 (0.417 mi.)	Z135	456

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC Reg Id: 902450089	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.029 mi.)***	***B8***	***18***
HUGHES AIRCRAFT CO C Reg Id: R-13532	***1990 GRAND AVE E***	***ENE 0 - 1/8 (0.082 mi.)***	***D18***	***36***
JIM & JACK AUTO BODY Reg Id: I-13092	***307 SEPULVEDA BLVD N***	***NW 1/8 - 1/4 (0.139 mi.)***	***J37***	***90***
CHEVRON #9-7879 Reg Id: I-09890	***101 SEPULVEDA BLVD S***	***SW 1/8 - 1/4 (0.184 mi.)***	***K56***	***130***
BERGAN BRUNSWICK Reg Id: R-20565 Reg Id: 263	***150 ILLINOIS***	***WNW 1/8 - 1/4 (0.240 mi.)***	***T107***	***347***
ALLIED SALES & SALVA Reg Id: 19500011	***160 SEPULVEDA***	***SSW 1/8 - 1/4 (0.246 mi.)***	***R113***	***360***
AMPEX CORPORATION SI Reg Id: R-24347	***200 NASH ST N***	***ESE 1/4 - 1/2 (0.351 mi.)***	***V121***	***414***
UNITED AIRLINES FLIG Reg Id: I-12973	***444 NASH ST***	***ENE 1/4 - 1/2 (0.379 mi.)***	***X129***	***440***
HUGHES AIRCRAFT-EDSG Reg Id: R-10916	***1920 MAPLE ST E***	***N 1/4 - 1/2 (0.466 mi.)***	***143***	***475***

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 05/20/2019 has revealed that there are 7 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***SE 1/8 - 1/4 (0.188 mi.)***	***L63***	***203***

EPA Id: CAD000633230
Cleanup Status: UNDERGOING CLOSURE

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL TOYS INC	***2031 MARIPOSA***	***NNE 1/4 - 1/2 (0.336 mi.)***	***U118***	***389***
EPA Id: CAD009687336				
Cleanup Status: PROTECTIVE FILER				
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NNE 1/4 - 1/2 (0.378 mi.)***	***W124***	***425***
EPA Id: CAD000627216				
Cleanup Status: CLOSED				
RAYTHEON CO	***2030 MAPLE AVE***	***NNE 1/2 - 1 (0.530 mi.)***	***146***	***497***
EPA Id: CAT080010853				
Cleanup Status: UNDERGOING CLOSURE				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***N 1/2 - 1 (0.764 mi.)***	***AE155***	***526***
EPA Id: CAD060897063				
Cleanup Status: CLOSED				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AF157***	***590***
EPA Id: CAD097855126				
Cleanup Status: CLOSED				
WEST COMPLEX FACILIT	***1 HORNET WAY***	***E 1/2 - 1 (0.805 mi.)***	***160***	***605***
EPA Id: CAD000627273				
Cleanup Status: CLOSED				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E. EL SEGUNDO B***	***SE 1/8 - 1/4 (0.188 mi.)***	***L60***	***141***
EPA ID: CAD000633230				

CA Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the CA Notify 65 list, as provided by EDR, and dated 06/17/2019 has revealed that there is 1 CA Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLIED CHEM CORP EL	***850 S SEPULVEDA BLVD***	***S 1/2 - 1 (0.990 mi.)***	***172***	***701***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRONTEXACO CREDIT	200 N SEPULVEDA BLVD	W 0 - 1/8 (0.098 mi.)	E22	48
TEXCO GAS STATION	307 N SEPULVEDA BLV	WNW 1/8 - 1/4 (0.141 mi.)	G41	99
CHEVRON STATIONS INC	101 S SEPULVEDA BLVD	SW 1/8 - 1/4 (0.160 mi.)	K48	105
CHEVRON TRAINING CEN	135 S SEPULVEDA BLVD	SW 1/8 - 1/4 (0.188 mi.)	K70	242
JOE BOB CHEVRON	101 SEPULVEDA BLV	WSW 1/8 - 1/4 (0.196 mi.)	M81	270

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WASH MLTFMILY LDRY S	100 N SEPULVEDA BLVD	SW 0 - 1/8 (0.100 mi.)	F27	52

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

A review of the CA RGA LF list, as provided by EDR, has revealed that there are 2 CA RGA LF sites

within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
A AND A WASTE ROLL Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	WNW 1/8 - 1/4 (0.243 mi.)	T111	359
A AND A WASTE ROLL O Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	WNW 1/8 - 1/4 (0.243 mi.)	T112	360

CA RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

A review of the CA RGA LUST list, as provided by EDR, has revealed that there are 18 CA RGA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/8 - 1/4 (0.188 mi.)	L57	137
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/8 - 1/4 (0.188 mi.)	L67	239
HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	SE 1/8 - 1/4 (0.188 mi.)	L69	242
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.379 mi.)	Y130	447
INTERNATIONAL RECTIF	233 KANSAS ST.	W 1/4 - 1/2 (0.379 mi.)	Y132	455
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.379 mi.)	Y133	455

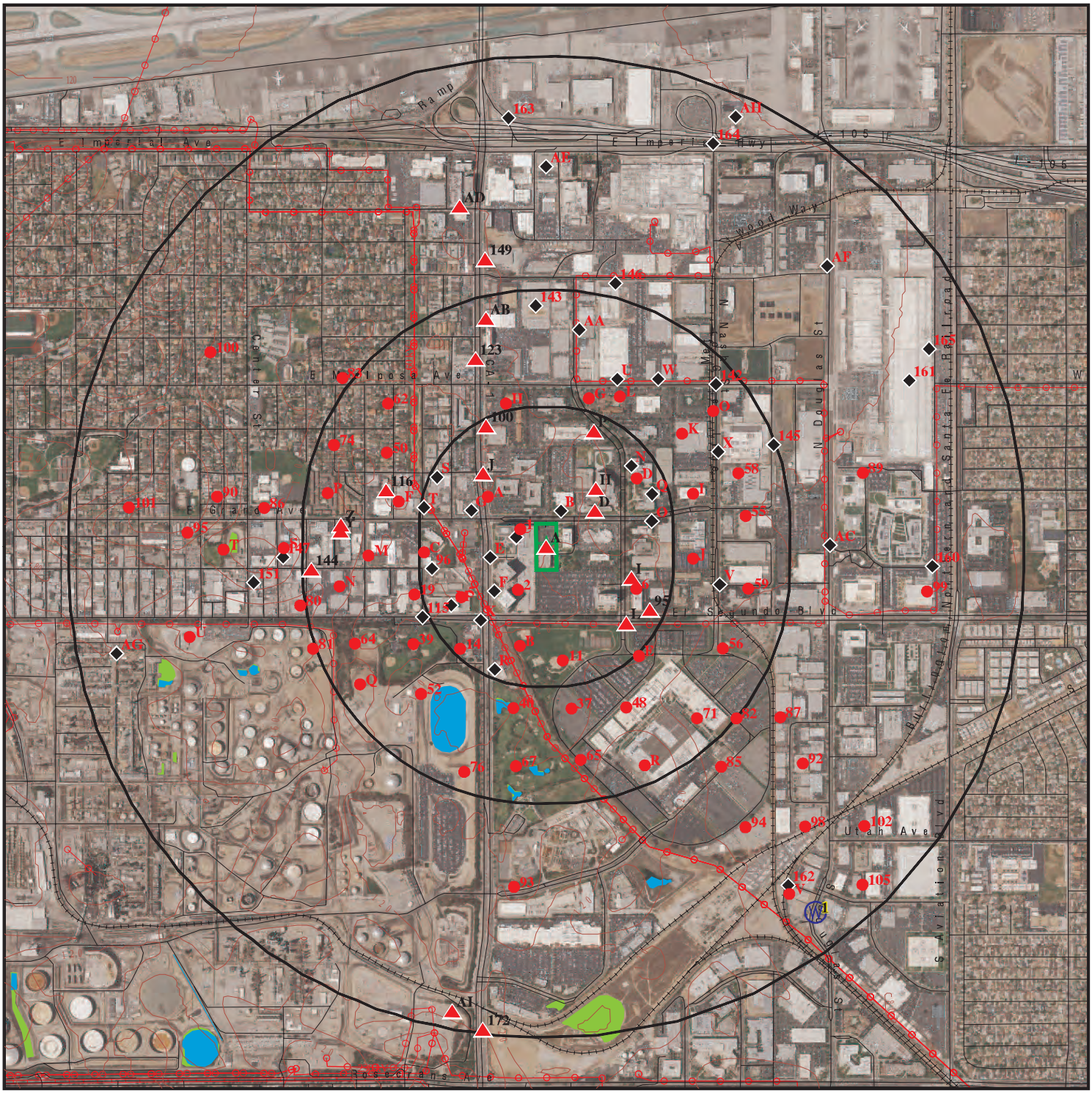
Lower Elevation	Address	Direction / Distance	Map ID	Page
GLOBAL SOLUTIONS	1955 GRAND AVE	NNE 0 - 1/8 (0.029 mi.)	B11	31
HUGHES AIRCRAFT CO C	1990 GRAND AVE E	ENE 0 - 1/8 (0.082 mi.)	D16	35
HUGHES AIRCRAFT CO C	1990 GRAND AVE	ENE 0 - 1/8 (0.082 mi.)	D19	40
CHEVRON	101 SEPULVEDA BLVD S	WSW 1/8 - 1/4 (0.196 mi.)	M82	270
CHEVRON #9-7879	101 SEPULVEDA BLVD S	WSW 1/8 - 1/4 (0.196 mi.)	M83	270
CITY OF EL SEGUNDO	150 ILLINOIS STREET	WNW 1/8 - 1/4 (0.240 mi.)	T105	346
CITY OF EL SEGUNDO	150 ILLINOIS ST	WNW 1/8 - 1/4 (0.240 mi.)	T106	346
AMPEX CORPORATION SI	200 NASH ST N	ESE 1/4 - 1/2 (0.351 mi.)	V120	413
AMPEX CORPORATION SI	198 NASH ST N	ESE 1/4 - 1/2 (0.352 mi.)	V122	421
UNITED AIRLINE FLIGH	444 NASH ST.	ENE 1/4 - 1/2 (0.379 mi.)	X126	437
UNITED AIRLINE FLIGH	444 NASH ST	ENE 1/4 - 1/2 (0.379 mi.)	X128	438
BLACKMORE ASSOCIATES	700 LAIRPORT ST	N 1/4 - 1/2 (0.418 mi.)	AA139	468

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)
SOF-XI PCT TWO TOWER OWNER, LLC	CA CERS HAZ WASTE, CA CERS
SOF-XI PCT SINGLE TOWER OWNER, LLC	CA CERS HAZ WASTE, CA CERS
CITY OF EL SEGUNDO	CA LUST, CA HIST CORTESE
	CA CDL
DOD - LOS ANGELES AIRFORCE BASE	CA CPS-SLIC
JONDA ENTERPRISES	CA CPS-SLIC

OVERVIEW MAP - 05796768.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1960 E Grand Avenue	CLIENT: EBI Consulting
ADDRESS: 1960 E Grand Avenue	CONTACT: API User
El Segundo CA 90245	INQUIRY #: 05796768.2r
LAT/LONG: 33.918589 / 118.393719	DATE: September 19, 2019 6:25 pm

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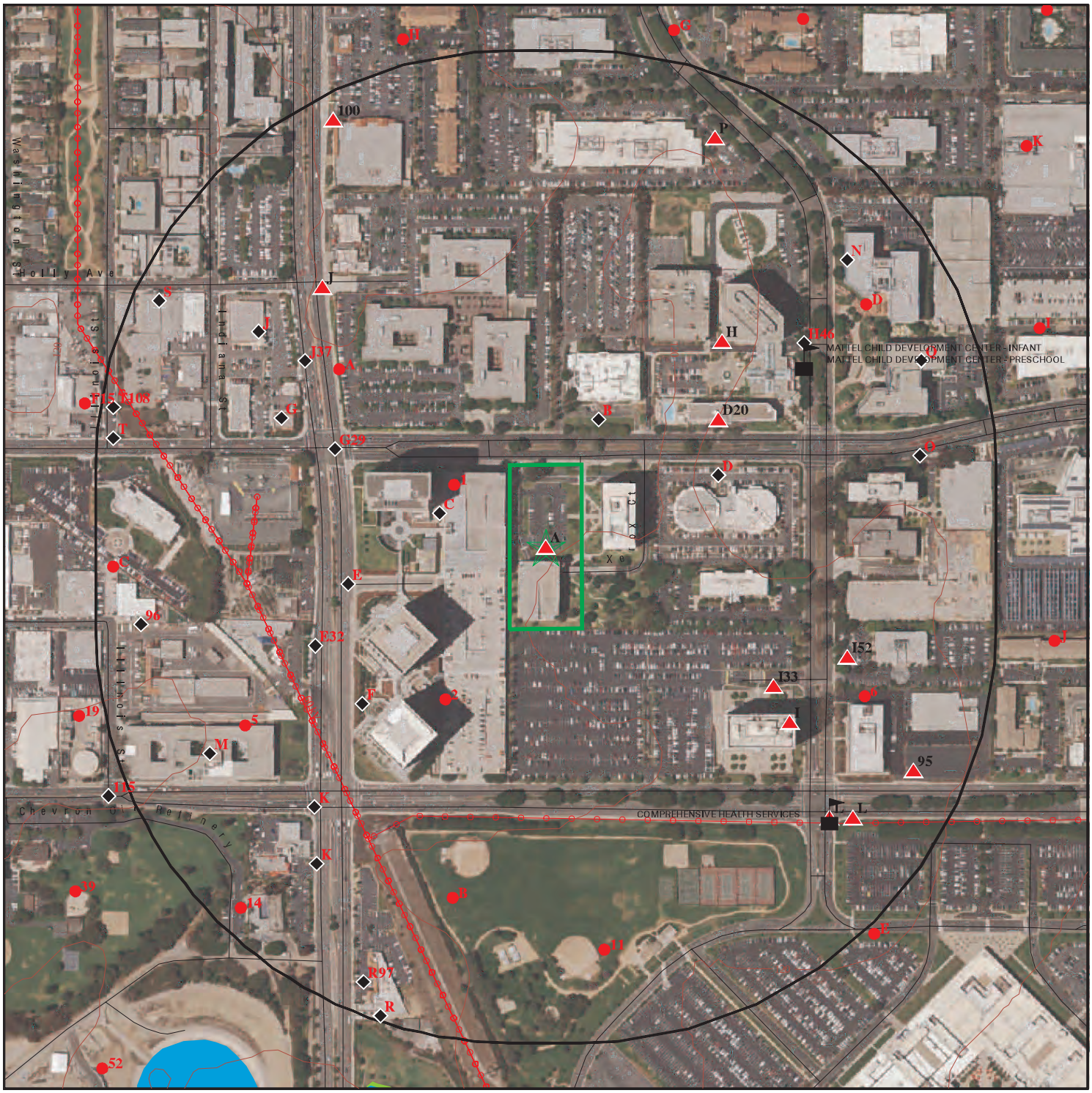
DETAIL MAP - 05796768.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1960 E Grand Avenue	CLIENT: EBI Consulting
ADDRESS: 1960 E Grand Avenue	CONTACT: API User
El Segundo CA 90245	INQUIRY #: 05796768.2r
LAT/LONG: 33.918589 / 118.393719	DATE: September 19, 2019 6:31 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	2	3	NR	NR	5
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	1	1	3	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	1	2	NR	NR	3
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250	1	2	7	NR	NR	NR	10
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.125		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	2	8	17	NR	27
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		3	5	9	NR	NR	17

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		0	0	3	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		6	15	NR	NR	NR	21
CA AST	0.250		4	9	NR	NR	NR	13
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	4	NR	NR	4
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA CERS HAZ WASTE	0.250		2	8	NR	NR	NR	10
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
CA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		4	8	NR	NR	NR	12
CA HIST UST	0.250		0	5	NR	NR	NR	5
CA FID UST	0.250		0	0	NR	NR	NR	0
CA CERS TANKS	0.250		2	5	NR	NR	NR	7
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	0.250		2	11	NR	NR	NR	13
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	TP		NR	NR	NR	NR	NR	0
FUDS	1.000		0	0	0	4	NR	4
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	1	NR	NR	NR	1
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
FINDS	TP	2	NR	NR	NR	NR	NR	2
ECHO	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	5	NR	NR	NR	NR	NR	5
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		2	5	7	NR	NR	14
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA HWP	1.000		0	1	2	4	NR	7
CA HWT	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	TP		NR	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	1	NR	1
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA UIC GEO	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CA PROJECT	TP		NR	NR	NR	NR	NR	0
CA WDR	TP		NR	NR	NR	NR	NR	0
CA CIWQS	TP		NR	NR	NR	NR	NR	0
CA CERS	TP	1	NR	NR	NR	NR	NR	1
CA NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
CA OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
CA PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CA SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
CA WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
CA LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		1	4	NR	NR	NR	5
EDR Hist Cleaner	0.250		1	0	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.500		0	2	0	NR	NR	2
CA RGA LUST	0.500		3	7	8	NR	NR	18
- Totals --		10	32	103	47	30	0	222

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TISHMAN SPEYER PROPERTIES INC** **CA HAZNET** **S112979960**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 1 of 7 in cluster A

Actual: **118 ft.**

HAZNET:

Name:	TISHMAN SPEYER PROPERTIES INC
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902455000
Year:	2009
GEPAID:	CAC002645577
Contact:	DON MCCURRY EXT:12
Telephone:	3104146530
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE STE 550
Mailing City,St,Zip:	EL SEGUNDO, CA 902455062
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.22935
CA Waste Code:	551-Laboratory waste chemicals
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

A2 **TEAM ONE ADVERTISING** **CA HAZNET** **S123762216**
Target **1960 EAST GRAND AVE SUITE E** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 2 of 7 in cluster A

Actual: **118 ft.**

HAZNET:

Name:	TEAM ONE ADVERTISING
Address:	1960 EAST GRAND AVE SUITE E
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1990
GEPAID:	CAD982504094
Contact:	DEACT PER 4/96 FEEFORM
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	1960 EAST GRAND AVE SUITE E
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD108040858
TSD County:	Los Angeles
Tons:	0.271
CA Waste Code:	541-Photochemicals/photoprocessing waste
Method:	R01-Recycler
Facility County:	Los Angeles

A3 Target Property — **COMMONWEALTH GRAND AVENUE CORP**, **1960 E GRAND AVE**, **EL SEGUNDO, CA 90245**

CA HAZNET **S112930455**
CA CERS **N/A**

Site 3 of 7 in cluster A

Actual: 118 ft.

HAZNET:

Name:	COMMONWEALTH GRAND AVENUE CORP
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2006
GEPAID:	CAC002566252
Contact:	DON MC CURRY/CHIEF ENG
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.1251
CA Waste Code:	141-Off-specification, aged or surplus inorganics
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	COMMONWEALTH GRAND AVENUE CORP
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2006
GEPAID:	CAC002566252
Contact:	DON MC CURRY/CHIEF ENG
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.6255
CA Waste Code:	291-Latex waste
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	COMMONWEALTH GRAND AVENUE CORP
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2006
GEPAID:	CAC002566252
Contact:	DON MC CURRY/CHIEF ENG
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.396
CA Waste Code:	214-Unspecified solvent mixture
Method:	H01-Transfer Station

COMMONWEALTH GRAND AVENUE CORP (Continued) **S112930455**

Facility County: Los Angeles

Name: COMMONWEALTH GRAND AVENUE CORP
Address: 1960 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2003
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.22101
CA Waste Code: 551-Laboratory waste chemicals
Method: H01-Transfer Station
Facility County: Los Angeles

CERS:
Name: BSREP II GRAND
Address: 1960 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146948
CERS ID: 10591735
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 146948
Site Name: BSREP II Grand
Violation Date: 03-27-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/14/2018. Plan needs to be re-certified annually. Last done in March of 2017 Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Noted: three 120 gallon aboveground diesel tanks, chiller containing R-11, and two drums of water treatment chemicals. Water treatment chemicals shall be added to disclosure within 30 days.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

COMMONWEALTH GRAND AVENUE CORP (Continued) **S112930455**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 146948
Facility Name: BSREP II Grand
Env Int Type Code: HMBP
Program ID: 10591735
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.918590
Longitude: -118.392980

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Don McCurry
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Environmental Contact
Entity Name: Don McCurry
Entity Title: Not reported
Affiliation Address: 1960 E Grand Ave., Suite 425
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: BSREP II Grand Avenue LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

COMMONWEALTH GRAND AVENUE CORP (Continued) **S112930455**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1960 E. Grand Ave., suite 425
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Don McCurry
Entity Title:	Chief Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	BSREP II Grand Avenue LLC
Entity Title:	Not reported
Affiliation Address:	1960 E Grand Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 414-0014
Affiliation Type Desc:	Operator
Entity Name:	Cushman Wakefield
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 414-0014
Affiliation Type Desc:	Property Owner
Entity Name:	BSREP II Grand Avenue LLC
Entity Title:	Not reported
Affiliation Address:	1960 E Grand Ave., Suite 425
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 414-0014

A4 Target Property — **TEAM ONE ADVERTISING**, **1960 EAST GRAND AVE SUITE E**, **EL SEGUNDO, CA 90245**

RCRA-SQG, FINDS, ECHO — **1000294322**, **CAD982504094**

Site 4 of 7 in cluster A

Actual: 118 ft.

RCRA-SQG:

Date form received by agency:	01/03/1990
Facility name:	TEAM ONE ADVERTISING
Facility address:	1960 EAST GRAND AVE SUITE E EL SEGUNDO, CA 90245
EPA ID:	CAD982504094
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1960 EAST GRAND AVE SUITE E EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	213-615-2000
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SAATCHI INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

TEAM ONE ADVERTISING (Continued) **1000294322**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002835175

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000294322
Registry ID: 110002835175
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002835175

A5 **TEAM ONE ADVERTISING** **CA HAZNET** **S113061592**
Target **1960 E GRAND AVE 7TH FLOOR** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 5 of 7 in cluster A

Actual: 118 ft.

HAZNET:
Name: TEAM ONE ADVERTISING
Address: 1960 E GRAND AVE 7TH FLOOR
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAL000106192
Contact: CANCELLED VQ96 DIANE SAIGN AH
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT000613976
TSD County: Orange
Tons: 0.0542
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: H01-Transfer Station

TEAM ONE ADVERTISING (Continued) **S113061592**

Facility County: Los Angeles

Name: TEAM ONE ADVERTISING
Address: 1960 E GRAND AVE 7TH FLOOR
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1994
GEPAID: CAL000106192
Contact: CANCELLED VQ96 DIANE SAIGN AH
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAD982524613
TSD County: Orange
Tons: 0.0625
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: R01-Recycler
Facility County: Los Angeles

Name: TEAM ONE ADVERTISING
Address: 1960 E GRAND AVE 7TH FLOOR
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAL000106192
Contact: CANCELLED VQ96 DIANE SAIGN AH
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAD982524613
TSD County: Orange
Tons: 0.125
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: R01-Recycler
Facility County: Los Angeles

Name: TEAM ONE ADVERTISING
Address: 1960 E GRAND AVE 7TH FLOOR
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAL000106192
Contact: CANCELLED VQ96 DIANE SAIGN AH
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAD982524613
TSD County: Orange
Tons: 0.1251
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: -
Facility County: Los Angeles

A6 **REALITY ASSOCIATES FUND #9** **CA HAZNET** **S113787228**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 6 of 7 in cluster A

Actual:
118 ft.

HAZNET:

Name:	REALITY ASSOCIATES FUND #9
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Tons:	0.00834
CA Waste Code:	141-Off-specification, aged or surplus inorganics
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	REALITY ASSOCIATES FUND #9
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Tons:	0.068
CA Waste Code:	343-Unspecified organic liquid mixture
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	REALITY ASSOCIATES FUND #9
Address:	1960 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Tons:	0.0924

REALITY ASSOCIATES FUND #9 (Continued) **S113787228**

CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: REALITY ASSOCIATES FUND #9
Address: 1960 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2012
GEPAID: CAC002702990
Contact: DON MCCURRY
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.00417
CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

A7 **REALITY ASSOCIATES FUND IX** **FINDS** **1023207804**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 7 of 7 in cluster A

Actual: **118 ft.**

FINDS:

Registry ID: 110064930311

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B8 **MATTEL INC** **RCRA-SQG** **1000819588**
NNE **1955 E GRAND AVE** **CA LUST** **CAD983655804**
< 1/8 **EL SEGUNDO, CA 90245** **FINDS**
0.029 mi. **ECHO**
154 ft. **Site 1 of 5 in cluster B** **CA EMI**
CA HIST CORTESE
Relative: **CA CERS**
Lower

Actual: **116 ft.**

RCRA-SQG:
Date form received by agency: 04/01/1999
Facility name: MATTEL INC
Facility address: 1955 E GRAND AVE
EL SEGUNDO, CA 90245-5012
EPA ID: CAD983655804
Mailing address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245

MATTEL INC (Continued) **1000819588**

Contact:	COZETTA MIGUELENA
Contact address:	333 CONTINENTAL BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-252-5524
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MATTEL INC
Owner/operator address:	333 CONTINENTAL BLVD EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-252-5524
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE

MATTEL INC (Continued) **1000819588**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

LUST:
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701269
Global Id: T0603701269
Latitude: 33.920641
Longitude: -118.39318
Status: Completed - Case Closed
Status Date: 02/02/1998
Case Worker: SHT
RB Case Number: 902450089
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603701269
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603701269
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)

MATTEL INC (Continued) **1000819588**

Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701269
Action Type: Other
Date: 12/31/1997
Action: Leak Reported

LUST:
Global Id: T0603701269
Status: Open - Case Begin Date
Status Date: 12/31/1997

Global Id: T0603701269
Status: Completed - Case Closed
Status Date: 02/02/1998

FINDS:

Registry ID: 110002889875

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000819588
Registry ID: 110002889875
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002889875

EMI:
Name: UNITED AIRLINES INC
Address: 1955 E GRAND AV
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 4042
Air District Name: SC
SIC Code: 6512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

MATTEL INC (Continued) **1000819588**

Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNITED AIRLINES INC
Address:	1955 E GRAND AV
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	4042
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944

MATTEL INC (Continued) **1000819588**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02919
Reactive Organic Gases Tons/Yr:	0.01
Carbon Monoxide Emissions Tons/Yr:	0.1503
NOX - Oxides of Nitrogen Tons/Yr:	0.224
SOX - Oxides of Sulphur Tons/Yr:	0.001901
Particulate Matter Tons/Yr:	0.01675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2007
County Code:	19
Air Basin:	SC

MATTEL INC (Continued) **1000819588**

Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

HIST CORTESE:

edr_fname:	GLOBAL SOLUTIONS
edr_fadd1:	1955 GRAND
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	902450089

CERS:

Name:	MATTEL CONFERENCE AND LEADERSHIP CENTER (MCLC)
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	133450
CERS ID:	10594501
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	10-29-2014
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.

MATTEL INC (Continued) **1000819588**

Violation Notes:	Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/11/2017. Facility failed to provide a valid CUPA permit for this site when using, storing or handling hazardous materials at or above reportable Threshold quantities facility needs to obtain a valid CUPA Permit for the site
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the

MATTEL INC (Continued) **1000819588**

	update within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	10-29-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by November 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

MATTEL INC (Continued) **1000819588**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-29-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Please submit site map and chemical inventory into CERs by Nov. 14.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	133450
Facility Name:	Mattel Conference and Leadership Center (MCLC)
Env Int Type Code:	HMBP
Program ID:	10594501
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.920640
Longitude:	-118.393180

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Mattel Inc
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 252-3854

Affiliation Type Desc:	Document Preparer
Entity Name:	Shameka Lewis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Shameka Lewis
Entity Title:	EH&S Sr Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

MATTEL INC (Continued) **1000819588**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Mattel Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 252-3854
Affiliation Type Desc:	Parent Corporation
Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Toni Powell
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

B9 **GLOBAL SOLUTIONS** **CA LUST S103285662**
NNE **1955 GRAND AVE** **CA CERS N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.029 mi.
154 ft. **Site 2 of 5 in cluster B**

Relative: **Lower**

Actual: **116 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701269	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/31/1997
Date Leak Record Entered:	5/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/2/1998
Date the Case was Closed:		2/2/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7732.5331169765845448962816 12
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GLOBAL SOLUTIONS	
RP Address:	2700 COMBELLACK DR, SIGNAL HILL, CA 90806	
Program:	LUST	
Lat/Long:	33.9195106 / -1	
Local Agency Staff:	SHT	

GLOBAL SOLUTIONS (Continued) **S103285662**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CERS:
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 259011
CERS ID: T0603701269
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

B10 **UNITED AIRLINES** **CA SWEEPS UST** **S102058314**
NNE **1955 E GRAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.029 mi.
154 ft. **Site 3 of 5 in cluster B**

Relative: **Lower**
Actual: **116 ft.**

SWEEPS UST:
Name: UNITED AIRLINES
Address: 1955 E GRAND AVE
City: EL SEGUNDO
Status: Active
Comp Number: 14047
Number: 9
Board Of Equalization: 44-010337
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-014047-000001
Tank Status: A
Capacity: Not reported

UNITED AIRLINES (Continued) **S102058314**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: UNITED AIRLINES
Address: 1955 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013645-014047
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005519T
Permit Status: Closed

B11 **GLOBAL SOLUTIONS** **CA RGA LUST** **S114627483**
NNE **1955 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.029 mi.
154 ft. **Site 4 of 5 in cluster B**

Relative:
Lower

Actual:
116 ft.

RGA LUST:
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2012 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2011 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2010 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2009 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2008 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2007 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS

GLOBAL SOLUTIONS (Continued) **S114627483**

Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2006 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2005 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2003 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2002 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2001 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
2000 GLOBAL SOLUTIONS 1955 GRAND AVE
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City: EL SEGUNDO
State: EL SEGUNDO
1998 GLOBAL SOLUTIONS 1955 GRAND AVE

B12 **MATTEL TOYS** **CA UST** **U004261142**
NNE **1955 E. GRAND AVE.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.029 mi.
154 ft. **Site 5 of 5 in cluster B**

Relative: EL SEGUNDO UST:
Lower
Name: MATTEL TOYS
Actual: Address: 1955 E. GRAND AVE.
116 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

C13 **PRUDENTIAL INSURANCE CO OF AME** **CA SWEEPS UST** **S103642911**
WNW **222 N SEPULVEDA BL** **CA EMI** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.042 mi.
223 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

Actual:
109 ft.

SWEEPS UST:

Name:	PACIFIC BUILDING MGMT
Address:	222 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	13279
Number:	9
Board Of Equalization:	44-010119
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013279-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

EMI:

Name:	PRUDENTIAL INSURANCE CO OF AME
Address:	222 N SEPULVEDA BL
City,State,Zip:	EL SEGUNDO, CA
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	15131
Air District Name:	SC
SIC Code:	6512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

C14 **PACIFIC CORPORATE TOWERS** **CA AST** **A100324589**
WNW **100-222 N. SEPULVEDA BLVD.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.042 mi.
223 ft. **Site 2 of 3 in cluster C**

Relative:
Lower

Actual:
109 ft.

AST:

Name:	PACIFIC CORPORATE TOWERS
Address:	100-222 N. SEPULVEDA BLVD.
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo

PACIFIC CORPORATE TOWERS (Continued) **A100324589**

Owner:	PACIFIC CORPORATE TOWERS
Total Gallons:	1,800
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C15 **PACIFIC CORPORATE TOWERS** **CA UST** **U003949009**
WNW **222 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.042 mi.
223 ft. **Site 3 of 3 in cluster C**

Relative:
Lower

Actual:
109 ft.

UST:

Name:	PACIFIC CORPORATE TOWERS
Address:	222 N. SEPULVEDA BL.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300212
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9203861
Longitude:	-118.3937989

EL SEGUNDO UST:

Name:	PACIFIC CORPORATE TOWERS, LLC
Address:	222 N. SEPULVEDA BL.
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	03436
Permit Number:	30-0212
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	07/14/2008

PACIFIC CORPORATE TOWERS (Continued) **U003949009**

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Permanent Facility Closure
Date Inspected: 12/31/2005

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

D16 **HUGHES AIRCRAFT CO CSG** **CA RGA LUST** **S114633803**
ENE **1990 GRAND AVE E** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.082 mi.
435 ft. **Site 1 of 5 in cluster D**

Relative: RGA LUST:
Lower
Name: HUGHES AIRCRAFT CO CSG
Actual: Address: 1990 GRAND AVE E
117 ft. City: EL SEGUNDO
State: EL SEGUNDO
2012 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2011 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2010 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2009 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2008 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2007 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2006 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG

HUGHES AIRCRAFT CO CSG (Continued) **S114633803**

Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2005 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2003 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2002 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City: EL SEGUNDO
State: EL SEGUNDO
2001 HUGHES AIRCRAFT CO CSG 1990 GRAND AVE E

D17 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261120**
ENE **1990 E. GRAND AVENUE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.082 mi.
435 ft. **Site 2 of 5 in cluster D**

Relative: EL SEGUNDO UST:
Lower
Actual: Name: HUGHES SPACE & COMMUNICATIONS
117 ft. Address: 1990 E. GRAND AVENUE
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

D18 **HUGHES AIRCRAFT CO CSG** **CA LUST** **S102431537**
ENE **1990 GRAND AVE E** **CA SWEEPS UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.082 mi. **CA CERS**
435 ft. **Site 3 of 5 in cluster D**

Relative: LUST:
Lower
Actual: Name: HUGHES AIRCRAFT CO CSG
117 ft. Address: 1990 GRAND AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705198
Global Id: T0603705198

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Latitude: 33.9188509
Longitude: -118.39182
Status: Completed - Case Closed
Status Date: 08/19/1996
Case Worker: SHT
RB Case Number: R-13532
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603705198
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705198
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705198
Action Type: Other
Date: 08/19/1996
Action: Leak Reported

LUST:
Global Id: T0603705198
Status: Completed - Case Closed
Status Date: 08/19/1996

Global Id: T0603705198
Status: Open - Case Begin Date
Status Date: 08/19/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-13532
Status: Case Closed
Substance: 1
Substance Quantity: Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705198	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		8/19/1996
Date Leak Record Entered:	8/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1996
Date the Case was Closed:		8/19/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7534.84954061541884537709753 47
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO., S66	
RP Address:	P.O. BOX 92919, LOS ANGELES CA 90009	
Program:	LUST	
Lat/Long:	33.9191286 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO SCG
Address:	1990 GRAND AVE
City:	EL SEGUNDO
Status:	Active

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Comp Number: 13532
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013532-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT CO CSG
edr_fadd1: 1990 GRAND
City,State,Zip: CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13532

CERS:
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 231911
CERS ID: T0603705198
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D19 HUGHES AIRCRAFT CO CSG **CA RGA LUST** **S114633805**
ENE 1990 GRAND AVE **N/A**
< 1/8 EL SEGUNDO, CA
0.082 mi.
435 ft. Site 4 of 5 in cluster D

Relative: Lower
Actual: 117 ft.

RGA LUST:

Name:	HUGHES AIRCRAFT CO CSG		
Address:	1990 GRAND AVE		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2000	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
Name:	HUGHES AIRCRAFT CO CSG		
Address:	1990 GRAND AVE		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1998	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
Name:	HUGHES AIRCRAFT CO CSG		
Address:	1990 GRAND AVE		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1997	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
Name:	HUGHES AIRCRAFT CO CSG		
Address:	1990 GRAND AVE		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1996	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE

D20 DOUBLE TREE EL SEGUNDO **CA CHMIRS** **S122214541**
NE 1985 E GRAND AVE **CA CERS** **N/A**
< 1/8 EL SEGUNDO, CA 90245
0.087 mi.
458 ft. Site 5 of 5 in cluster D

Relative: Higher
Actual: 120 ft.

CHMIRS:

Name:	Not reported
Address:	1985 E GRAND AVE, NEAR DOUBLE TREE HOTEL
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	18-1326
OES notification:	02/28/2018
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1315
Year:	2018
Agency:	S CA Edison
Incident Date:	02/28/2018
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Oil - Mineral Type, Non PCB
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Underground vault fire caused the release, material flowed onto concrete inside the vault, contractor is handling the containment and clean up.

CERS:

Name:	DOUBLE TREE EL SEGUNDO
Address:	1985 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	421951
CERS ID:	10735621

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 421951
Site Name: Double tree el segundo
Violation Date: 07-11-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/30/2019. facility Failed to prepare a hazardous materials business plan when handling, using, storing hazardous materials on site at or above State thresholds Establish and implement a business plan for the facility. Submit documentation of correction to the unified program agency.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 421951
Site Name: Double tree el segundo
Violation Date: 07-11-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 01/30/2019. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 421951
Site Name: Double tree el segundo
Violation Date: 05-29-2018
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 01/30/2019. The business failed to establish and implement a business plan when handling hazardous materials at or above the reportable threshold quantities. facility needs to establish and implement a business plan for the facility. Facility must complete all applicable information through the California Environmental Reporting System CERS. Submit documentation of correction, (online submittal OK, or scanned copy of submittal) to the unified program agency within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Site ID:	421951
Site Name:	Double tree el segundo
Violation Date:	05-12-2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Noted: propane, nitrogen, carbon dioxide, and a diesel generator. I believe this is this facility's first HMBEP inspection. This facility has 30 days to report propane and diesel via CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	421951
Site Name:	Double tree el segundo
Violation Date:	07-11-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/30/2019. facility failed to provide a valid CUPA Permit for this location Obtain and provide copy of CUPA Permit or proof of Permit payments. Once permit is received by facility personnel, post it in conspicuous place
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	421951
Site Name:	Double tree el segundo
Violation Date:	07-11-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/30/2019. facility failed to provide electronically a hazardous materials business plan upon request from the local CUPA Complete and electronically submit a business plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	421951
Site Name:	Double tree el segundo
Violation Date:	05-29-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/30/2019. Facility did not obtain a CUPA permit for this location when handling , using and or storing quantities requiring a Permit from the Certified Unified Program Agency. facility must Obtain a valid CUPA Permit and pay all required fees associated to the Permit.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Violation Source: CERS

Site ID: 421951
Site Name: Double tree el segundo
Violation Date: 07-11-2018
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes: Returned to compliance on 01/30/2019. The business failed to have the hazardous material business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training. Facility must have a readily available hazardous materials business plan for upcoming compliance inspection. electronic HMBP OK
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Noted: propane, nitrogen, carbon dioxide, and a diesel generator. I believe this is this facility's first HMBEP inspection. This facility has 30 days to report propane and diesel via CERS.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-29-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility was unable to provide a complete hazardous materials business plan, no elements were provided nor observed during inspection.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-11-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This facility failed to comply with CUPA Requirements. facility representative Tim Woolslayer, General manager has been notified of further enforcement action should out of compliance status continues at the site.,
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-07-2017
Violations Found: No

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	NOTED: OXYGEN, CARBON DIOXIDE, PROPANE, ACETYLENE; THIS IS THIS FACILITY'S SECOND NOTICE OF VIOLATION.THIS FACILITY HAS 30 DAYS TO SUBMIT HMBEP VIA CERS.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-27-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Visited the facility to provide copy of Show cause letter for administrative enforcement order actions. Met with Tim Woolslayer Hotel manager and Wilfredo Rivera chief engineer.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-15-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Facility visit to provide Administrative Enforcement Order/Fire Department Consent Letter copy to Site Representative. I Reviewed with and explained terms to facility representative Tim Woolslayer, DoubleTree Hotel General Manager. Facility representative did not have any question nor request.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	421951
Site Name:	Double tree el segundo
Site Address:	1985 E GRAND AVE
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	10-03-2018
Enf Action Type:	AEO - Unified Program
Enf Action Description:	Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:	Fines/Penalties Assessed: $5,700.00. AEO Double tree.
Enf Action Division:	El Segundo City Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	421951
Facility Name:	Double tree el segundo
Env Int Type Code:	HMBP
Program ID:	10735621
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.919840
Longitude:	-118.392030

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Document Preparer
Entity Name:	JON MARTIN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1985 E. Grand Av
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	UHG LAX LLC
Entity Title:	Not reported
Affiliation Address:	1985 E. Grand Av
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 322-0999

Affiliation Type Desc:	Parent Corporation
Entity Name:	UHG LAX PROP, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	JON MARTIN
Entity Title:	CONSULTANT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

DOUBLE TREE EL SEGUNDO (Continued) **S122214541**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Twenty Four Seven Hotels
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 322-0999
Affiliation Type Desc:	Environmental Contact
Entity Name:	Joe Kuhn
Entity Title:	Not reported
Affiliation Address:	1985 E Grand Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	UHG LAX PROP, LLC
Entity Title:	Not reported
Affiliation Address:	1985 E. Grand Av
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 322-0999

E21 **ING** **CA AST** **A100324047**
West **200 N SEPULVEDA BLVD.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.098 mi.
515 ft. **Site 1 of 7 in cluster E**

Relative: AST:
Lower

Actual:
105 ft.

Name:	ING
Address:	200 N SEPULVEDA BLVD.
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo
Owner:	ING
Total Gallons:	3,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported

ING (Continued) **A100324047**

Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

E22 **CHEVRONTEXACO CREDIT UNION** **EDR Hist Auto** **1021522239**
West **200 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.098 mi.
515 ft. **Site 2 of 7 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
105 ft.

Year:	Name:	Type:
2011	CHEVRONTEXACO CREDIT UNIO	Gasoline Service Stations, NEC
2012	CHEVRONTEXACO CREDIT UNION	Gasoline Service Stations, NEC
2013	CHEVRONTEXACO CREDIT UNION	Gasoline Service Stations, NEC
2014	CHEVRONTEXACO CREDIT UNION	Gasoline Service Stations, NEC

E23 **CETERA FINANCIAL GROUP** **CA AST** **A100418653**
West **200 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.098 mi.
515 ft. **Site 3 of 7 in cluster E**

Relative: AST:
Lower

Actual:
105 ft.

Name:	CETERA FINANCIAL GROUP
Address:	200 N SEPULVEDA BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Cetera Financial Group
Total Gallons:	Not reported
CERSID:	10629772
Facility ID:	Not reported
Business Name:	Cetera Financial Group
Phone:	3102577452
Fax:	3107841103
Mailing Address:	200 N Sepulveda Blvd. #1200
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Sergio Brito
Operator Phone:	3102577452
Owner Phone:	866-489-3100
Owner Mail Address:	200 N Sepulveda Blvd
Owner State:	CA

CETERA FINANCIAL GROUP (Continued) **A100418653**

Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Pacific Corporate Towers LLC
Property Owner Phone:	310-615-0122
Property Owner Mailing Address:	200 North Sepulveda Blvd. #650
Property Owner City:	El Segundo
Property Owner Stat :	CA
Property Owner Zip Code:	90245
Property Owner Country:	United States
EPAID:	CAD000274397

E24 **HUGHES AIRCRAFT CO SCG** **RCRA-SQG 1000241026**
West **200 N SEPULVEDA BLVD** **FINDS CAD982500373**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.098 mi.
515 ft. **Site 4 of 7 in cluster E**

Relative: **Lower**

Actual: **105 ft.**

RCRA-SQG:

Date form received by agency:	03/06/1990
Facility name:	HUGHES AIRCRAFT CO SCG
Facility address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD982500373
Mailing address:	P O BOX 92919 S40 T360 LOS ANGELES, CA 90009
Contact:	ENVIRONMENTAL MANAGER
Contact address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	213-647-8378
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PRUDENTIAL LIFE INSUR
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported

HUGHES AIRCRAFT CO SCG (Continued) **1000241026**

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002833596

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241026
Registry ID: 110002833596
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002833596

E25 **PACIFIC BUILDING MGMT** **CA SWEEPS UST** **S100864326**
West **200 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.098 mi.
515 ft. **Site 5 of 7 in cluster E**

Relative: SWEEPS UST:
Lower

Actual: Name: PACIFIC BUILDING MGMT
105 ft. Address: 200 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 13278
Number: 9
Board Of Equalization: 44-010119
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013278-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

F26 **PACIFIC CORPORATE TOWERS** **CA UST** **U003758315**
SW **100 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.100 mi.
528 ft. **Site 1 of 2 in cluster F**

Relative: UST:
Lower

Actual: Name: PACIFIC CORPORATE TOWERS
113 ft. Address: 100 N. SEPULVEDA BL.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300211
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9182168
Longitude: -118.3935885

EL SEGUNDO UST:
Name: PACIFIC CORPORATE TOWERS
Address: 100 N. SEPULVEDA BLVD.
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

PACIFIC CORPORATE TOWERS (Continued) **U003758315**

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

F27 **WASH MLTFMILY LDRY SYSTEMS LLC** **EDR Hist Cleaner** **1018537361**
SW **100 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.100 mi.
528 ft. **Site 2 of 2 in cluster F**

Relative: EDR Hist Cleaner
Lower

Actual: **113 ft.**

Year:	Name:	Type:
2013	WEB SERVICE HOLDINGS INC	Laundry And Drycleaner Agents
2014	WEB SERVICE HOLDINGS INC	Laundry And Drycleaner Agents

E28 **CETERA FINANCIAL GROUP** **CA CERS TANKS** **S123507784**
WSW **200 N PACIFIC COAST HWY** **CA CERS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.100 mi.
530 ft. **Site 6 of 7 in cluster E**

Relative: CERS TANKS:
Lower
Name: CETERA FINANCIAL GROUP
Actual: Address: 200 N PACIFIC COAST HWY
106 ft. City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 275887
CERS ID: 10629772
CERS Description: Aboveground Petroleum Storage

CERS:
Name: CETERA FINANCIAL GROUP
Address: 200 N PACIFIC COAST HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 275887
CERS ID: 10629772
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 275887
Site Name: Cetera Financial Group
Violation Date: 10-11-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 11/20/2018. Training documentation not available Provide proof of completed hazardous materials training for employees handling Hazardous materials.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

CETERA FINANCIAL GROUP (Continued) **S123507784**

Site ID: 275887
Site Name: Cetera Financial Group
Violation Date: 05-21-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 08/13/2015.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 275887
Site Name: Cetera Financial Group
Violation Date: 10-11-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes: Returned to compliance on 11/20/2018. Failure to perform and/or document the five-year review of the SPCC plan. SPCC provided is out of date. facility must provide valid & current SPCC for this site.
Violation Division: El Segundo City Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 275887
Site Name: Cetera Financial Group
Violation Date: 10-11-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 11/20/2018. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. facility must provide a complete Map with all required elements applicable to the operation.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 275887
Site Name: Cetera Financial Group
Violation Date: 10-11-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to include in the SPCC plan an adequate description of employee training. Training shall address, at a minimum: operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; content of the facility SPCC plan; and annual discharge prevention briefings for oil-handling personnel to

CETERA FINANCIAL GROUP (Continued) **S123507784**

	assure adequate understanding of the SPCC plan.
Violation Notes:	Returned to compliance on 11/20/2018. No employee Training record provided Failure to include in SPCC plan a discussion, or adequate description of all required employee training including annual spill prevention briefings provided to oil-handling personnel. Facility must provide proof of APSA/SPCC training for all employees identified in SPCC plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	275887
Site Name:	Cetera Financial Group
Violation Date:	05-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to have a professional engineer certify and review the SPCC Plan.
Violation Notes:	Returned to compliance on 08/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	275887
Site Name:	Cetera Financial Group
Violation Date:	05-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test liquid level sensing devices to ensure proper operation.
Violation Notes:	Returned to compliance on 05/09/2016. Need to have overfill sensor and interstitial sensors tested.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	275887
Site Name:	Cetera Financial Group
Violation Date:	05-21-2015
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to perform a five-year review of the SPCC plan.
Violation Notes:	Returned to compliance on 08/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	275887
Site Name:	Cetera Financial Group
Violation Date:	10-11-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/20/2018. Emergency response Plan is out of date. Facility needs to provide a valid and updated emergency

CETERA FINANCIAL GROUP (Continued) **S123507784**

response plan with new names and phones
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Noted: Diesel generator. No violations.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Chemical inventory and Business Plan need to be submitted to CERS.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SPCC needs to be updated and certified, Tank Facility Statement needs to be submitted.
Eval Division: El Segundo City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported

CETERA FINANCIAL GROUP (Continued) **S123507784**

Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Sergio Brito
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Pacific Corporate Towers LLC
Entity Title:	Not reported
Affiliation Address:	200 North Pacific Coast Hwy. #650
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 615-0122
Affiliation Type Desc:	Identification Signer
Entity Name:	Sergio Brito
Entity Title:	Facilities Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Cetera Financial Group
Entity Title:	Not reported
Affiliation Address:	sergio.brito@cetera.com
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 257-7452
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sergio Brito
Entity Title:	Not reported
Affiliation Address:	200 North Pacific Coast Hwy. #1200
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

CETERA FINANCIAL GROUP (Continued) **S123507784**

Affiliation Type Desc:	Operator
Entity Name:	Cetera Financial Group
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 257-7452

Affiliation Type Desc:	Parent Corporation
Entity Name:	Cetera Financial Group
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	200 N Pacific Coast Hwy. #1200
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

G29 **CA CHMIRS** **S105659386**
WNW **SEPULVEDA & GRAND** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.106 mi.
559 ft. **Site 1 of 5 in cluster G**

Relative: **Lower**

Actual: **105 ft.**

CHMIRS:

Name:	Not reported
Address:	SEPULVEDA & GRAND
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	9-4491
OES notification:	10/22/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

(Continued) **S105659386**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block
Name:	Not reported
Address:	SEPULVEDA & GRAND
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	9-4491
OES notification:	10/22/1999

(Continued) **S105659386**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

(Continued) **S105659386**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block

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H30 **MATTEL, INC.** **CA UST** **U003836511**
NE **333 N. CONTINENTAL BL.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.113 mi.
596 ft. **Site 1 of 3 in cluster H**

Relative: **Higher**
Actual: **122 ft.**

UST:

Name:	MATTEL, INC.
Address:	333 N. CONTINENTAL BL.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300128
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.922401
Longitude:	-118.389576

EL SEGUNDO UST:

Name:	MATTEL, INC.
Address:	333 N. CONTINENTAL BL.
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	03404
Permit Number:	30-0128
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	12/12/2007

H31 **MATTEL, INC.** **CA AST** **S106835271**
NE **333 CONTINENTAL BLVD** **CA CERS HAZ WASTE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS TANKS**
0.113 mi. **CA EMI**
596 ft. **Site 2 of 3 in cluster H** **CA CERS**

Relative: **Higher**
Actual: **122 ft.**

AST:

Name:	MATTEL, INC.
Address:	333 CONTINENTAL BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Mattel, Inc
Total Gallons:	Not reported
CERSID:	10157347
Facility ID:	19-013-300128

MATTEL, INC. (Continued) **S106835271**

Business Name:	Mattel, Inc.
Phone:	310-252-2000
Fax:	Not reported
Mailing Address:	333 Continental Blvd; M1-0530
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Mattel, Inc
Operator Phone:	310-252-2000
Owner Phone:	310-252-2000
Owner Mail Address:	333 Continental Blvd
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD982433401

Name:	MATTEL, INC
Address:	333 CONTINENTAL BLVD
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo
Owner:	MATTEL, INC.
Total Gallons:	2,650
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

CERS HAZ WASTE:

Name:	MATTEL, INC.
Address:	333 CONTINENTAL BLVD

MATTEL, INC. (Continued) **S106835271**

City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47145
CERS ID: 10157347
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: MATTEL, INC.
Address: 333 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47145
CERS ID: 10157347
CERS Description: Aboveground Petroleum Storage

EMI:
Name: MATTEL, INC.
Address: 333 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 83248
Air District Name: SC
SIC Code: 3944
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: MATTEL, INC.
Address: 333 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 83248
Air District Name: SC
SIC Code: 3944
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: MATTEL, INC.
Address: 333 CONTINENTAL BLVD

MATTEL, INC. (Continued) **S106835271**

City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03178
Reactive Organic Gases Tons/Yr:	0.02
Carbon Monoxide Emissions Tons/Yr:	0.1792
NOX - Oxides of Nitrogen Tons/Yr:	0.2648
SOX - Oxides of Sulphur Tons/Yr:	0.00224
Particulate Matter Tons/Yr:	0.01985
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02

Name:	MATTEL, INC.
Address:	333 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

Name:	MATTEL, INC.
Address:	333 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

MATTEL, INC. (Continued) **S106835271**

CERS:
Name: MATTEL, INC.
Address: 333 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47145
CERS ID: 10157347
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 47145
Site Name: Mattel, Inc.
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 12/04/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47145
Site Name: Mattel, Inc.
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit an updated emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47145
Site Name: Mattel, Inc.
Violation Date: 09-19-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

MATTEL, INC. (Continued) **S106835271**

Violation Notes:	Returned to compliance on 10/10/2017. Update submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47145
Site Name:	Mattel, Inc.
Violation Date:	09-19-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 10/19/2017. initial and annual hazard Communication training information not available Provide proof of annual training provided to employees requiring hazardous materials training.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47145
Site Name:	Mattel, Inc.
Violation Date:	09-19-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47145
Site Name:	Mattel, Inc.
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/10/2017. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47145

MATTEL, INC. (Continued) **S106835271**

Site Name: Mattel, Inc.
Violation Date: 10-09-2013
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/12/2013. Change in personnel and contacts required change in business plan.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47145
Site Name: Mattel, Inc.
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/10/2017. The business failed to complete and electronically submit a complete chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit a complete chemical inventory with information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47145
Site Name: Mattel, Inc.
Violation Date: 10-29-2014
Citation: 22 CCR 23 66273.5 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.5
Violation Description: Failure to properly manage mercury containing lamp bulbs which are destined for reclamation or recycling from the date the bulbs were first discarded or broken.
Violation Notes: Returned to compliance on 09/19/2017. Noted no universal waste labels with accumulation start date.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017

MATTEL, INC. (Continued) **S106835271**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-09-2013
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Complaint inspection from DTSC concerning exposure to trichloroethylene and other halogenated compounds
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Please submit spcc by 10/22/14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Noted Universal wastes were not labeled with no accumulation date. Mercury waste was past 90 days, may be satellite accumulation.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 47145
Facility Name: Mattel, Inc.
Env Int Type Code: HWG
Program ID: 10157347
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.920390
Longitude: -118.391870

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd; M1-0530
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

MATTEL, INC. (Continued) **S106835271**

Affiliation Type Desc:	Identification Signer
Entity Name:	Shameka Lewis
Entity Title:	Senior Supervisor EH&S
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Document Preparer
Entity Name:	Shameka Lewis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Toni Powell
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd; M1-0540
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Mattel, Inc
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 252-2000

Affiliation Type Desc:	Operator
Entity Name:	Mattel, Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

MATTEL, INC. (Continued) **S106835271**

Affiliation Zip: Not reported
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: Parent Corporation
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

E32 **THE GREAT SEPULVEDA CAR WASH** **CA CERS HAZ WASTE** **S123502816**
WSW **125 N SEPULVEDA BLVD** **CA CERS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.118 mi.
622 ft. **Site 7 of 7 in cluster E**

Relative:
Lower

Actual:
108 ft.

CERS HAZ WASTE:
Name: THE GREAT SEPULVEDA CAR WASH
Address: 125 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160761
CERS ID: 10407409
CERS Description: Hazardous Waste Generator

CERS:
Name: THE GREAT SEPULVEDA CAR WASH
Address: 125 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160761
CERS ID: 10407409
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 160761
Site Name: The Great Sepulveda Car wash
Violation Date: 06-09-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 06/16/2016.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 160761
Site Name: The Great Sepulveda Car wash
Violation Date: 11-06-2018
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

	liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 11/15/2018. Empty 55-gallon containers were observed in the behind chemical shed without labels nor dates. Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 11/27/2018. 25-gallon containers of HAZARDOUS WASTE- Used Oil located in the Waste Storage Area was observed without labeling and were not inspected weekly as described by General Manager. Submit a copy of the inspection log to the CUPA demonstrating that the hazardous waste storage area is being inspected weekly.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	06-09-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 06/16/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 12/01/2018. Employees are not thoroughly familiar with proper waste handling and emergency procedures as demonstrated by the number and/or type of hazardous waste violations observed at the time of inspection. Employees not labeling hazardous waste used oil, not labeling empty drums, not conducting weekly inspections of containers, and not aware of EPA ID requirements. Submit documentation to the CUPA demonstrating that employees have been properly trained.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/15/2018. Four 25-gallon containers of HAZARDOUS WASTE- Used Oil located in the Waste Storage Area were observed without a hazardous waste label. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	06-09-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/14/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 12/14/2018. The business failed to complete

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

	and electronically submit a site map with all required content including: north orientation, loading area, storm and sewer drains, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 12/10/2018. The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. The facility was observed with storing approximately 100 gallons of Hazardous Waste Used Oil. The facility does not have an active EPA ID number. Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160761
Site Name:	The Great Sepulveda Car wash
Violation Date:	11-06-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/14/2018. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility shall update Hazardous Materials Inventory to include federal hazard categories. Select federal hazard categories for each entry on hazardous materials inventory.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-09-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility has 30 days to submit HMBEP via CERs. Chemical inventory shall include soap and wax.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 160761
Facility Name: The Great Sepulveda Car wash
Env Int Type Code: HMBP
Program ID: 10407409
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.916830
Longitude: -118.396160

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JSE Environmental Services Inc.
Entity Title: Not reported
Affiliation Address: 1030 N. Mountain Ave. #234
Affiliation City: Ontario
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91762
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: El Segundo 5 Minute Express Car wash
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Thomas Ennis
Entity Title: Not reported
Affiliation Address: 125 N. Pacific Coast Hwy.
Affiliation City: El Segundo

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 535-1511
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	125 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Tom Ennis Jr.
Entity Title:	Not reported
Affiliation Address:	125 N. Sepulveda Blvd.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 535-1511
Affiliation Type Desc:	Document Preparer
Entity Name:	Victor Martinez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Victor Martinez
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Victor Martinez

THE GREAT SEPULVEDA CAR WASH (Continued) **S123502816**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 535-5555

I33 **XEROX CORPORATION** **CA UST** **U003836567**
ESE **1990 XEROX CENTER DRIVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.121 mi.
637 ft. **Site 1 of 5 in cluster I**

Relative:
Higher

Actual:
132 ft.

UST:

Name:	XEROX CORPORATION
Address:	1990 XEROX CENTER DRIVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300035
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.92223
Longitude:	-118.41122

I34 **CONTINENTAL BUILDING** **CA UST** **U004105660**
SE **101 CONTINENTAL BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.138 mi.
726 ft. **Site 2 of 5 in cluster I**

Relative:
Higher

Actual:
133 ft.

UST:

Name:	CONTINENTAL BUILDING
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	33.9171
Longitude:	-118.39265

Name:	CONTINENTAL TOWER
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	33.91661
Longitude:	-118.391

EL SEGUNDO UST:

Name:	101 CONTINENTIAL PARTNERS LLC- (NORTHROP GRUMMAN)
Address:	101 CONTINENTAL BOULEVARD
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Emergency generator fuel
CERT Number:	Not reported
Permit Number:	30-0493

CONTINENTAL BUILDING (Continued) **U004105660**

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Diesel
Other Contents: Not reported
Active: Change of information
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

I35 **CONTINENTAL TOWER** **CA CERS TANKS** **S113149990**
SE **101 CONTINENTAL BLVD** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.138 mi.
726 ft. **Site 3 of 5 in cluster I**

Relative:
Higher

Actual:
133 ft.

CERS TANKS:
Name: CONTINENTAL TOWER
Address: 101 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 551223
CERS ID: 10473028
CERS Description: Underground Storage Tank

HAZNET:
Name: CONTINENTAL TOWER
Address: 101 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2013
GEPAID: CAL000325225
Contact: JOSEPH BEHEN
Telephone: 3103326925
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY PA12/W2
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 13.344
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

Name: CONTINENTAL TOWER
Address: 101 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2012
GEPAID: CAL000325225
Contact: JOSEPH BEHEN
Telephone: 3103326925
Mailing Name: Not reported

CONTINENTAL TOWER (Continued) **S113149990**

Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	25.437
CA Waste Code:	133-Aqueous solution with total organic residues 10 percent or more
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	CONTINENTAL TOWER
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2011
GEPAID:	CAL000325225
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	13.344
CA Waste Code:	133-Aqueous solution with total organic residues 10 percent or more
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	CONTINENTAL TOWER
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2010
GEPAID:	CAL000325225
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	AZC950823111
TSD County:	99
Tons:	16.4
CA Waste Code:	151-Asbestos containing waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Name:	CONTINENTAL TOWER
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2009
GEPAID:	CAL000325225
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported

CONTINENTAL TOWER (Continued) **S113149990**

Mailing Address: ONE HORNET WAY PA12/W2
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 40
CA Waste Code: 151-Asbestos containing waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: CONTINENTAL TOWER
Address: 101 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 551223
CERS ID: 10473028
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Response Plan available on site.
Violation Notes: Returned to compliance on 09/12/2017. Owner/Operator did not maintain an approved response plan onsite. Maintain copy of approved response plan onsite.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 08-07-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 09/12/2018. Owner/Operator did not retain a copy of the permit to operate at the facility. Retain a copy of the permit to operate at the facility and display in a prominent place.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.

CONTINENTAL TOWER (Continued) **S113149990**

Violation Notes:	Returned to compliance on 09/12/2017. The piping sump sensor does not report an alarm to the monitoring panel. Maintain leak detection equipment with an audible and visual alarm.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	04-19-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/30/2017.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	08-07-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 09/05/2018. Owner/Operator did not notify CUPA of DO identification within 30 days of obtaining or changing the DO. The facility failed to submit an Owner Statement of Designated Underground Storage Tank Operator. Notify CUPA of changes to DO within 30 days of a change. Submit Owner Statement of Designated Underground Storage Tank Operator form on California Environmental Reporting System (CERS).
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	04-30-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after

CONTINENTAL TOWER (Continued) **S113149990**

	October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 05/09/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. The UST system has audible/visual alarm as well as a positive shut-off mechanism (flapper-valve). The flapper-valve did not pass routine overfill prevention equipment test. Maintain overfill prevention system to comply with the deficiencies noted above. The facility shall replace the flapper-valve within 60 days and submit verification to ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	08-07-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 09/05/2018. Facility submitted an incomplete Certification of Financial Responsibility document to the CUPA. Current financial responsibility document is missing Signature of Witness or Notary. Complete and submit a complete copy of the financial responsibility by 09/06/18. Update current Certification of Financial Responsibility to include signature of a Witness or Notary.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	10-19-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/04/2017. Provide copy of current and active CUPA Permit for this site
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	10-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.

CONTINENTAL TOWER (Continued) **S113149990**

Violation Notes:	Returned to compliance on 12/05/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete or update site map(s) with all required content and electronically submit in CERS, including water treatment chemicals and emergency generator fuel tank
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	04-17-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 09/12/2017. Owner/Operator did not retain a copy of the permit to operate at the facility. Retain a copy of the permit to operate at the facility.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	08-07-2018
Citation:	23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 09/05/2018. Owner/Operator failed to provide annual training to facility employees in accordance with 23 CCR 16 2715 (f)(1). Ensure that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). The designated UST operator(s) shall train and document training for facility employees in accordance with 23 CCR 16 2715 (f)(1).
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	10-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/31/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above

CONTINENTAL TOWER (Continued) **S113149990**

reportable quantities. Include water treatment chemicals and emergency generator fuel tank
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-19-2016
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 06/09/2016.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2636(f)(6) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(6)
Violation Description: Failure to meet one or more of the following requirements in lieu of a line leak detector (LLD) for emergency generator tank systems: Continuous monitoring system activates an audible and visual alarm. Monitoring system is checked daily. A log of daily checks is available for the CUPA to review.
Violation Notes: Returned to compliance on 09/12/2017. Owner/Operator did not operate the emergency generator system with a continuous monitoring system that activates an audible and visual alarm, or system has not been checked daily with a log of daily checks available for review. Operate the emergency generator system with a continuous monitoring system that activates an audible and visual alarm and check system daily and keep a log of daily checks available for review.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 09/12/2017. Owner/Operator did not maintain a UST monitoring plan on site. Maintain a UST monitoring plan on site.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23,

CONTINENTAL TOWER (Continued) **S113149990**

	Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 09/12/2017. The piping sump sensor does not report to the monitoring panel, not providing leak detection for the secondary piping. Continuously monitor double-walled piping with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	08-07-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 08/07/2018. Facility did not comply with one or more of the following DO monthly inspection requirements: Performed by an ICC certified DO; Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy; Inspect for the presence of liquid/debris in spill containers; Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit; Check that all testing and maintenance has been completed and documented; Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2). Facility did not attach an alarm history report print out for each DO monthly inspection. Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	551223
Site Name:	Continental Tower
Violation Date:	04-17-2017
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 09/12/2017. The piping sump sensor does not report to the monitoring panel. Comply with all operating permit requirements. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST

CONTINENTAL TOWER (Continued) **S113149990**

Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-17-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 09/12/2017. The piping sump sensor does not report to the monitoring panel. Properly install, calibrate, operate and/or maintain leak detection equipment.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 551223
Site Name: Continental Tower
Violation Date: 04-19-2016
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 03/30/2017.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The following violations were found; 1. Monitoring certification was past due 2. No financial responsibility 3. Facility failed to re-certify tank forms/submittals 4. Change of ownership for CERs ID #10473028 from "continental tower," to "Vereit Inc."
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-19-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: the spill bucket failed. facility has 30 days to repair and re-test.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

CONTINENTAL TOWER (Continued) **S113149990**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The following violations were found: 1.) Monitoring Certification was past due 2.) Financial responsibility not available 3.) Facility failed to re-certify tank forms/submittals 4.) Change of ownership for CERs ID #10473028 from "continental tower" to "Vereit inc."
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-19-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Spill bucket failed secondary containment testing.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-30-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ESFD was on site to witness secondary containment testing. UST system passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-30-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was on site to witness the Overfill Prevention Equipment Testing of audible/visual alarm and flapper-valve drop tube. The audible/visual alarm passed test. The flapper-valve drop tube failed test and shall be replaced within 60 days.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed monitoring certification for new monitoring system. Need

CONTINENTAL TOWER (Continued) **S113149990**

	sensors in the day tank sumps and notification sign at the monitoring system alarm light/horn.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-12-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witness monitoring certification for new panel and detectors. System tested ok.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility needs to remove hazardous waste generator status from CERS submittal
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	551223
Facility Name:	Continental Tower
Env Int Type Code:	HMBP
Program ID:	10473028
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.916610
Longitude:	-118.391000

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

CONTINENTAL TOWER (Continued) **S113149990**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	One Hornet Way, M/S L0PA12/W2
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Vasken Demirjian
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Northrop Grumman Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 813-5468

Affiliation Type Desc:	Property Owner
Entity Name:	ARCP OFC El Segundo CA, LP
Entity Title:	Not reported
Affiliation Address:	2325 E Camelback Rd.
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85016
Affiliation Phone:	(602) 778-6000

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	TA 101 Continental LLC
Entity Title:	Not reported
Affiliation Address:	1420 Bristol Street North, Suite 100
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(949) 752-2066

Affiliation Type Desc:	Environmental Contact
Entity Name:	Vasken Demirjian
Entity Title:	Not reported
Affiliation Address:	One Hornet Way M/S PA12/W2,
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported

CONTINENTAL TOWER (Continued) **S113149990**

Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	ARCP OFC El Segundo CA, LP
Entity Title:	Not reported
Affiliation Address:	2325 E Camelback Rd.
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85016
Affiliation Phone:	(602) 778-6000
Affiliation Type Desc:	Parent Corporation
Entity Name:	101 Continental
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Davis Partners
Entity Title:	Not reported
Affiliation Address:	1420 Bristol Street North, Suite 100
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(310) 998-7811
Affiliation Type Desc:	UST Tank Owner
Entity Name:	TA 101 Continental LLC
Entity Title:	Not reported
Affiliation Address:	1420 Bristol Street North, Suite 100
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(949) 752-2066
Affiliation Type Desc:	Document Preparer
Entity Name:	Vasken Demirjian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

I36 **XEROX CORP** **CA SWEEPS UST** **S102055537**
SE **101 CONTINENTAL** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.138 mi.
726 ft. **Site 4 of 5 in cluster I**

Relative:
Higher

Actual:
133 ft.

SWEEPS UST:

Name:	XEROX CORP
Address:	101 CONTINENTAL
City:	EL SEGUNDO
Status:	Active
Comp Number:	15358
Number:	1
Board Of Equalization:	Not reported
Referral Date:	06-05-90
Action Date:	06-05-90
Created Date:	06-05-90
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HAZNET:

Name:	NORTHROP GRUMMAN CORP
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902454530
Year:	2014
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	13.344
CA Waste Code:	133-Aqueous solution with total organic residues 10 percent or more
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	NORTHROP GRUMMAN CORP
Address:	101 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902454530
Year:	2013
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352

XEROX CORP (Continued) **S102055537**

TSD County: Los Angeles
Tons: 15.429
CA Waste Code: 133-Aqueous solution with total organic residues 10 percent or more
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

LOS ANGELES CO. HMS:
Name: XEROX CORP
Address: 101 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 014690-015358
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005893T
Permit Status: Closed

J37 **JIM & JACK AUTO BODY** **CA LUST** **S101296171**
NW **307 SEPULVEDA BLVD N** **CA HIST CORTESE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.139 mi.
732 ft. **Site 1 of 8 in cluster J**

Relative:
Lower

Actual:
112 ft.

LUST:
Name: JIM & JACK AUTO BODY
Address: 307 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704033
Global Id: T0603704033
Latitude: 33.9193645
Longitude: -118.3963002
Status: Completed - Case Closed
Status Date: 10/08/1992
Case Worker: SHT
RB Case Number: I-13092
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603704033
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704033

JIM & JACK AUTO BODY (Continued) **S101296171**

Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Stopped

Global Id: T0603704033
Action Type: Other
Date: 09/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704033
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0603704033
Status: Open - Site Assessment
Status Date: 10/02/1989

Global Id: T0603704033
Status: Completed - Case Closed
Status Date: 10/08/1992

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13092
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704033
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 10/2/1989

JIM & JACK AUTO BODY (Continued) **S101296171**

Date Leak First Reported:		9/26/1990
Date Leak Record Entered:	12/4/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/2/1989	
Date Case Last Changed on Database:		10/8/1992
Date the Case was Closed:		10/8/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	KIZIRIAN, JAMES	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8074.487666780854504297629471
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		10/2/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	KEVORK TEXACO	
RP Address:	1605 GRAND AVE., E., EL SEGUNDO, 90245	
Program:	LUST	
Lat/Long:	33.9193645 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

edr_fname:	JIM & JACK AUTO BODY
edr_fadd1:	307 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-13092

CERS:

Name:	JIM & JACK AUTO BODY
Address:	307 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	201753

JIM & JACK AUTO BODY (Continued) **S101296171**

CERS ID: T0603704033
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

G38 **KEVORK TEXACO** **CA SWEEPS UST** **S100224390**
WNW **307 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.141 mi.
743 ft. **Site 2 of 5 in cluster G**

Relative: **Lower**
Actual: **105 ft.**

SWEEPS UST:
Name: KEVORK TEXACO
Address: 307 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Name: KEVORK TEXACO
Address: 307 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 13092
Number: 9

KEVORK TEXACO (Continued) **S100224390**

Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: KEVORK TEXACO
Address: 307 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: KEVORK TEXACO
Address: 307 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: KEVORK TEXACO
Address: 307 N SEPULVEDA BLVD

KEVORK TEXACO (Continued) **S100224390**

City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 008473-013092
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00004818T
Permit Status: Closed

Name: KEVORKS TEXACO SERVICE
Address: 307 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: I
Facility Id: 008473-I13092
Facility Type: 01
Facility Status: Closed
Area: 2N
Permit Number: 000010284
Permit Status: Closed

CERS:
Name: CHIPOTLE MEXICAN GRILL #887
Address: 307 N SEPULVEDA BLVD STE B
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 18817
CERS ID: 10505665
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 18817
Site Name: Chipotle Mexican Grill #887
Violation Date: 03-29-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/31/2016.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency

KEVORK TEXACO (Continued) **S100224390**

Eval Notes: Facility has 30 days to submit HMBEP via CERs.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Sam Smith
Entity Title: Facilities Coordinator
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Chipotle Mexican Grill, Inc.
Entity Title: Not reported
Affiliation Address: 1401 Wynkoop St., Suite 500
Affiliation City: Denver
Affiliation State: CO
Affiliation Country: United States
Affiliation Zip: 80202
Affiliation Phone: (303) 595-4000

Affiliation Type Desc: Document Preparer
Entity Name: Sam Smith
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Chipotle Mexican Grill
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Chipotle Mexican Grill #887
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 426-1437

Affiliation Type Desc: Property Owner

KEVORK TEXACO (Continued) **S100224390**

Entity Name:	El Segundo Grand LLC
Entity Title:	Not reported
Affiliation Address:	1508 Seventeenth Street
Affiliation City:	Santa Monica
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90404
Affiliation Phone:	(310) 899-2700
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Kim Oganesyan
Entity Title:	Not reported
Affiliation Address:	1401 Wynkoop St., Suite 500
Affiliation City:	Denver
Affiliation State:	CO
Affiliation Country:	Not reported
Affiliation Zip:	80202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1401 Wynkoop St., Suite 500
Affiliation City:	Denver
Affiliation State:	CO
Affiliation Country:	Not reported
Affiliation Zip:	80202
Affiliation Phone:	Not reported

G39 **HAGOP KIZIRIAN** **CA HIST UST** **U001563002**
WNW **307 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.141 mi.
743 ft. **Site 3 of 5 in cluster G**

Relative: HIST UST:
Lower

Name:	HAGOP KIZIRIAN
Address:	307 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00027E04
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E04.pdf
Region:	STATE
Facility ID:	00000040022
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	2136150672

Actual:
105 ft.

HAGOP KIZIRIAN (Continued) **U001563002**

Owner Name:	MOBIL OIL CORP
Owner Address:	612 S. FLOWER ST
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1962
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

G40 **KEVORK'S TEXACO** **CA UST** **U004261127**
WNW **307 N. SEPULVEDA BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.141 mi.
743 ft. **Site 4 of 5 in cluster G**

Relative: EL SEGUNDO UST:
Lower

Name:	KEVORK'S TEXACO
Address:	307 N. SEPULVEDA BLVD.
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported

Actual:
105 ft.

KEVORK'S TEXACO (Continued) **U004261127**

Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

G41 **TEXCO GAS STATION** **EDR Hist Auto** **1021125610**
WNW **307 N SEPULVEDA BLV** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.141 mi.
743 ft. **Site 5 of 5 in cluster G**

Relative: EDR Hist Auto
Lower

Actual:
105 ft.

Year:	Name:	Type:
1971	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1972	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1973	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1974	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1976	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1977	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1978	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1979	JIM & JACK MOBIL SERVICE	Gasoline Service Stations
1987	TEXCO GAS STATION	Gasoline Service Stations
1988	TEXCO GAS STATION	Gasoline Service Stations
1989	TEXCO GAS STATION	Gasoline Service Stations
1989	KEVORK SERVICE	Gasoline Service Stations
1990	TEXCO GAS STATION	Gasoline Service Stations
1991	TEXCO GAS STATION	Gasoline Service Stations
1991	KEVORK SERVICE	Gasoline Service Stations
1992	KEVORK AUTO REPAIR	Gasoline Service Stations
1993	KEVORK AUTO REPAIR	Gasoline Service Stations
1994	KEVORK AUTO REPAIR	Gasoline Service Stations
1995	KEVORK AUTO REPAIR	Gasoline Service Stations
1996	KEVORK AUTO REPAIR	Gasoline Service Stations
1997	KEVORK AUTO REPAIR	Gasoline Service Stations
1998	KEVORK AUTO REPAIR	Gasoline Service Stations
1999	KEVORK AUTO REPAIR	Gasoline Service Stations
2000	KEVORK AUTO REPAIR	Gasoline Service Stations
2001	KEVORK AUTO REPAIR	Gasoline Service Stations
2002	KEVORK AUTO REPAIR	Gasoline Service Stations
2003	KEVORK AUTO REPAIR	Gasoline Service Stations
2004	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2005	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2006	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2007	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2008	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2009	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2010	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2011	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC
2012	KEVORK AUTO REPAIR	Automotive Repair Shops, NEC

J42 **LAX BUSINESS CENTER** **CA SWEEPS UST** **S104872489**
NW **360 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.148 mi.
781 ft. **Site 2 of 8 in cluster J**

Relative:
Higher

Actual:
123 ft.

SWEEPS UST:

Name:	LAX BUSINESS CENTER
Address:	360 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	12164
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	LAX BUSINESS CENTER
Address:	360 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	012063-012164
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00003788T
Permit Status:	Closed

J43 **HUGHES AIRCRAFT CO EDSG** **RCRA-SQG** **1000241001**
NW **360 N. SEPULVEDA BLVD** **FINDS** **CAD981397961**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.148 mi.
781 ft. **Site 3 of 8 in cluster J**

Relative:
Higher

Actual:
123 ft.

RCRA-SQG:

Date form received by agency:	04/22/1986
Facility name:	HUGHES AIRCRAFT CO EDSG
Facility address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD981397961
Mailing address:	360 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact:	ENVIRONMENTAL MANAGER
Contact address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	213-616-5871

HUGHES AIRCRAFT CO EDSG (Continued) **1000241001**

Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LAX BUSINESS CENTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

HUGHES AIRCRAFT CO EDSG (Continued) **1000241001**

Registry ID: 110002693559

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241001
Registry ID: 110002693559
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002693559

J44 **LAX BUSINESS CENTER** **CA UST** **U004261131**
NW **360 N. SEPULVEDA BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.148 mi.
781 ft. **Site 4 of 8 in cluster J**

Relative:
Higher

Actual:
123 ft.

EL SEGUNDO UST:
Name: LAX BUSINESS CENTER
Address: 360 N. SEPULVEDA BLVD.
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

LOS ANGELES UST:
Name: Not reported
Address: 360 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

J45
NW
1/8-1/4
0.148 mi.
781 ft.

360 N SEPULVEDA
EL SEGUNDO, CA 93001

Site 5 of 8 in cluster J

CA CHMIRS **S109038786**
N/A

Relative:
Higher

Actual:
123 ft.

CHMIRS:

Name:	Not reported
Address:	360 N SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 93001
OES Incident Number:	7-4022
OES notification:	07/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	El Sequndo DFD
Incident Date:	7/5/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Diesel
Gallons:	40

(Continued) **S109038786**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Gas truck was making a delivery and the truck hit a gate and started leaking.

H46 **MATTEL TOYS INC** **CA SWEEPS UST** **S102056128**
NE **335 CONTINENTAL BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.153 mi.
808 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**

Actual: **116 ft.**

SWEEPS UST:

Name:	THE GRANDWAY HOTEL
Address:	335 CONTINENTAL BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	12622
Number:	9
Board Of Equalization:	44-009850
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-012622-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Name:	MATTEL TOYS INC
Address:	335 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	012469-012622
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00004498T

MATTEL TOYS INC (Continued) **S102056128**

Permit Status: Closed

J47 **LAX BUSINESS CENTER** **CA HIST UST** **S118412247**
NW **300 360 AND 390 N SEPULVEDA BL** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.156 mi.
824 ft. **Site 6 of 8 in cluster J**

Relative: **Higher**
Actual: **122 ft.**

HIST UST:

Name:	LAX BUSINESS CENTER
Address:	300 360 AND 390 N SEPULVEDA BL
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00026699
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026699.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

K48 **CHEVRON STATIONS INC** **EDR Hist Auto** **1021430792**
SW **101 S SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.160 mi.
843 ft. **Site 1 of 7 in cluster K**

Relative: **Lower**
Actual: **111 ft.**

EDR Hist Auto

Year:	Name:	Type:
1996	BABB JOE CHEVRON	Gasoline Service Stations, NEC
2000	CHEVRON STATIONS INC	Gasoline Service Stations
2001	CHEVRON STATIONS INC	Gasoline Service Stations
2002	CHEVRON STATIONS INC	Gasoline Service Stations
2003	CHEVRON STATIONS INC	Gasoline Service Stations
2004	CHEVRON STATIONS INC	Gasoline Service Stations
2005	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2006	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2007	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2008	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2009	CHEVRON STATIONS INC	Gasoline Service Stations, NEC

CHEVRON STATIONS INC (Continued) **1021430792**

2010	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2011	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2012	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2013	CHEVRON STATIONS INC	Gasoline Service Stations, NEC
2014	CHEVRON STATIONS INC	Gasoline Service Stations, NEC

K49 **MCDONALD'S RESTAURANT** **CA HIST UST** **U001562982**
SW **101 S SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.160 mi.
843 ft. **Site 2 of 7 in cluster K**

Relative: **Lower**

Actual: **111 ft.**

HIST UST:

Name:	97879
Address:	101 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00026E9E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026E9E.pdf
Region:	STATE
Facility ID:	00000063047
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	BABB,JOE Q
Telephone:	2136402323
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4

MCDONALD'S RESTAURANT (Continued) **U001562982**

Year Installed:	1971
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:

Name:	MCDONALD'S RESTAURANT
Address:	101 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	I
Facility Id:	008432-025443
Facility Type:	01
Facility Status:	Removed
Area:	2N
Permit Number:	000205679
Permit Status:	Removed

K50 **CHEVRON 97879** **RCRA-SQG** **1006805025**
SW **101 S SEPULVEDA BLVD.** **CAR000119909**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.160 mi.
843 ft. **Site 3 of 7 in cluster K**

Relative:
Lower

Actual:
111 ft.

RCRA-SQG:

Date form received by agency:	02/16/2006
Facility name:	CHEVRON 97879
Facility address:	101 S SEPULVEDA BLVD. EL SEGUNDO, CA 90245
EPA ID:	CAR000119909
Mailing address:	PO BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY L NORRIS
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	925-842-5931
Contact email:	KNORRIS@CHEVRON.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON USA INC.
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported

CHEVRON 97879 (Continued) **1006805025**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/05/1973
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC.
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/05/1973
Owner/Op end date: Not reported

Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: 925-842-5931
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/16/2006
Site name: CHEVRON 97879
Classification: Large Quantity Generator

Date form received by agency: 05/16/2002

CHEVRON 97879 (Continued) **1006805025**

Site name: CHEVRON STATION NO 97879
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

K51 **CHEVRON PRODUCTS COMPANY SS# 1844/9-7879** **CA UST** **U003938843**
SW **101 S. SEPULVEDA BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.160 mi.
843 ft. **Site 4 of 7 in cluster K**

Relative:
Lower

Actual:
111 ft.

UST:
Name: CHEVRON PRODUCTS COMPANY SS# 1844/9-7879
Address: 101 S. SEPULVEDA BL.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300020
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.91625
Longitude: -118.39606

EL SEGUNDO UST:
Name: CHEVRON PRODUCTS COMPANY SS# 9-7879
Address: 101 S. SEPULVEDA BL.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03413
Permit Number: 30-0020

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/25/2008

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Premium unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/25/2008

Tank Number: 000003
Tank Status: Change of Information

CHEVRON PRODUCTS COMPANY SS# 1844/9-7879 (Continued) **U003938843**

Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/25/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

I52 **MERISEL** **CA UST** **U004261144**
ESE **200 N. CONTINENTAL BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.161 mi.
851 ft. **Site 5 of 5 in cluster I**

Relative: EL SEGUNDO UST:
Higher
Name: MERISEL
Actual: Address: 200 N. CONTINENTAL BL.
127 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

K53 **CHEVRON STATION# 97879** **CA CERS HAZ WASTE** **S123299891**
SW **101 S PACIFIC COAST HWY** **CA CERS TANKS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CHMIRS**
0.162 mi. **CA CERS**
854 ft. **Site 5 of 7 in cluster K**

Relative:
Lower

Actual:
111 ft.

CERS HAZ WASTE:

Name:	CHEVRON STATION# 97879
Address:	101 S PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	105006
CERS ID:	10407793
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CHEVRON STATION# 97879
Address:	101 S PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	105006
CERS ID:	10407793
CERS Description:	Underground Storage Tank

CHMIRS:

Name:	Not reported
Address:	101 S PACIFIC COAST HWY, CHEVRON FUEL
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	18-6804
OES notification:	10/08/2018
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station

CHEVRON STATION# 97879 (Continued) **S123299891**

Cleanup By:	on site personnel
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2115
Year:	2018
Agency:	Chevron
Incident Date:	10/07/2018
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Fuel - Gasoline Type
Quantity Released:	6
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Hole in vehicle tank during fueling caused the release, material flowed onto concrete, FD and on site personnel handled the containment and clean up.

CERS:

Name:	MCDONALDS #19965
Address:	101 S PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47503
CERS ID:	10511665
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47503
Site Name:	McDonalds #19965
Violation Date:	06-15-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

CHEVRON STATION# 97879 (Continued) **S123299891**

Violation Notes:	Returned to compliance on 07/07/2015. The facility needs to submit their chemical inventory and Business Plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47503
Site Name:	McDonalds #19965
Violation Date:	03-28-2017
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/29/2017. Noted 3 carbon dioxide dewars. This facility has not submitted HMBEP since 2014. This facility has 30 days to re-certify HMBEP via CERs.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-28-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inventory and Business Plan not submitted for 2015
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-24-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Provide updated business plan, submit chemical inventory into CERs.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA

CHEVRON STATION# 97879 (Continued) **S123299891**

Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Tawnie Blade
Entity Title:	Not reported
Affiliation Address:	5310 W Rosecrans Ave.
Affiliation City:	Hawthorne
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90250
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	D&T Restaurants, Inc.
Entity Title:	Not reported
Affiliation Address:	5310 W Rosecrans Ave.
Affiliation City:	Hawthorne
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90250
Affiliation Phone:	(323) 899-3433
Affiliation Type Desc:	Parent Corporation
Entity Name:	Blade Organization
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Diana M. Shinn
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5310 W Rosecrans Ave
Affiliation City:	Hawthorne
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90250
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tawnie Blade
Entity Title:	Owner

CHEVRON STATION# 97879 (Continued) **S123299891**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	D&T Restaurants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 899-3433
Name:	CHEVRON STATION# 97879
Address:	101 S PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	105006
CERS ID:	10407793
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	105006
Site Name:	Chevron Station# 97879
Violation Date:	08-06-2015
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes:	Returned to compliance on 10/23/2015. The dispenser pans for Dispensers 1/2, 3/4 5/6 and 9/10 failed.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	105006
Site Name:	Chevron Station# 97879
Violation Date:	05-07-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill

CHEVRON STATION# 97879 (Continued) **S123299891**

prevention equipment is installed, repaired, or replaced on and after October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 06/26/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Records of an Overfill Prevention Equipment Test completed on 8/31/18 were noted during the inspection. The test report shows a failed test result for the overfill prevention equipment, flapper-valve drop tubes, for UST #1 and and UST #3 due to a shutoff level above 95% of tank capacity. The test report also notes that the drop tube at UST#2 could not be removed for inspection and ball floats were not inspected. The drop tube for UST #2 needs to be removed for proper testing per PEI standards and thus test results for UST #2 are not valid. Maintain overfill prevention system to comply with the deficiencies noted above. Repair overfill prevention equipment, flapper valve drop tubes, for UST #1 and UST #3 per the Overfill Prevention Equipment Test completed on 8/31/18. Re-test flapper valve drop tube for UST#2 per CCR Title 23 requi... [TRUNCATED: Refer to full Inspection Report]

Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 105006
Site Name: Chevron Station# 97879
Violation Date: 07-26-2018
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 10/04/2018. Secondary containment has not been properly maintained as evidenced by failed secondary containment testing. Secondary containment test conducted and secondary piping from 91 octane tank failed along with the following UDCs: 5/6, 7/8, and 9/10. Make repairs under permit for secondary piping of 91 octane tank and the following UDCs: 5/6, 7/8, and 9/10. ESFD shall be present during retest of all repairs.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP

CHEVRON STATION# 97879 (Continued) **S123299891**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The ESFD witnessed the annual monitoring certification on 5/7/19.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-30-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witness monitoring certification due to CPU replacement and cold start on permit.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

CHEVRON STATION# 97879 (Continued) **S123299891**

Eval General Type:	Other/Unknown
Eval Date:	05-30-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspected repair of vent risers under permit. Piping was covered at connection to underground vent piping. Contractor provided photographs to view from his cell phone of repair. Permit finaled. Met with contractor only, did not meet station manager
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-02-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No violations were found.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No open violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No open violations
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-26-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Secondary containment test conducted and piping from 91 octane tank failed along with the following UDCs: 5/6, 7/8, and 9/10. Facility shall make repairs under permit for all failed components and ESFD shall be present during retest.
Eval Division:	El Segundo City Fire Department

CHEVRON STATION# 97879 (Continued) **S123299891**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Witnessed secondary containment testing. The dispenser pans for Dispensers 1/2, 3/4, 5/6 and 9/10 failed the testing
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-04-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ESFD witnessed re-test of failed components from secondary containment testing originally conducted on 7/26/18. Repairs and re-test completed for the following components: secondary piping from 91 octane tank, UDC 5/6, UDC 7/8, and UDC 9/10. All components passed re-test.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violation noted.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed secondary containment testing for Dispensers 1/2, 5/6 and 9/10, all passed.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Affiliation:
Affiliation Type Desc: UST Property Owner Name
Entity Name: CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title: Not reported

CHEVRON STATION# 97879 (Continued) **S123299891**

Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Operator
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES BITTLE - 6/23/2016
Entity Title:	RETAIL HES
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	UST Tank Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Andrea Vilchis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

CHEVRON STATION# 97879 (Continued) **S123299891**

Affiliation Type Desc:	Identification Signer
Entity Name:	Andrea Vilchis
Entity Title:	RETAIL HES SPECIALIST
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Property Owner
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94583
Affiliation Phone:	(925) 842-9002

Affiliation Type Desc:	Environmental Contact
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 6004, ATTN: PERMIT DESK
Affiliation City:	SAN RAMON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94583
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	CHEVRON STATION #97879/1844
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CHEVRON STATION# 97879 (Continued) **S123299891**

Affiliation Zip:	Not reported
Affiliation Phone:	(310) 640-2323
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEVRON PRODUCTS COMPANY (A DIVISION OF CHEVRON U.S.A. INC.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

J54 **WALGREENS #9882** **CA CERS HAZ WASTE** **S113150919**
NW **331 N SEPULVEDA BLVD** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.172 mi.
907 ft. **Site 7 of 8 in cluster J**

Relative: **Lower**

Actual: **109 ft.**

CERS HAZ WASTE:

Name:	WALGREENS #9882
Address:	331 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	84384
CERS ID:	10413214
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	WALGREENS #9882
Address:	331 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAL000327767
Contact:	KARINA ROMERO
Telephone:	7606028700
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK CT., SUITE 200
Mailing City,St,Zip:	CARLSBAD, CA 920100000
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Tons:	0.0575
CA Waste Code:	331-Off-specification, aged or surplus organics
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	WALGREENS #9882
Address:	331 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAL000327767
Contact:	KARINA ROMERO
Telephone:	7606028700
Mailing Name:	Not reported
Mailing Address:	3207 GREY HAWK CT., SUITE 200

WALGREENS #9882 (Continued) **S113150919**

Mailing City,St,Zip: CARLSBAD, CA 920100000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.0055
CA Waste Code: 311-Pharmaceutical waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: WALGREENS #9882
Address: 331 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAL000327767
Contact: KARINA ROMERO
Telephone: 7606028700
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT., SUITE 200
Mailing City,St,Zip: CARLSBAD, CA 920100000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.001
CA Waste Code: 131-Aqueous solution (2 < pH < 12.5) containing reactive anions ...
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: WALGREENS #9882
Address: 331 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAL000327767
Contact: KARINA ROMERO
Telephone: 7606028700
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT., SUITE 200
Mailing City,St,Zip: CARLSBAD, CA 920100000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.004
CA Waste Code: 122-Alkaline solution without metals pH >= 12.5
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: WALGREENS #9882
Address: 331 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAL000327767
Contact: KARINA ROMERO
Telephone: 7606028700
Mailing Name: Not reported
Mailing Address: 3207 GREY HAWK CT., SUITE 200

WALGREENS #9882 (Continued) **S113150919**

Mailing City,St,Zip: CARLSBAD, CA 920100000
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.002
CA Waste Code: 791-Liquids with pH <= 2
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
55 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: WALGREENS #9882
Address: 331 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 84384
CERS ID: 10413214
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 84384
Site Name: Walgreens #9882
Violation Date: 10-26-2017
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes: Returned to compliance on 12/06/2017. Dispose of generated ACUTE HAZARDOUS WASTE and submit a copy of the manifest/receipt to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 84384
Site Name: Walgreens #9882
Violation Date: 10-26-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/05/2017. facility needs to provide a valid CUPA Permit for this location
Violation Division: El Segundo City Fire Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 84384
Site Name: Walgreens #9882
Violation Date: 10-26-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/02/2018. Complete and electronically

WALGREENS #9882 (Continued) **S113150919**

submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Include compressed gas helium and propane.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 84384
Site Name: Walgreens #9882
Violation Date: 10-26-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 12/04/2017. The generator has not obtained an RCRA EPA ID number to manage acute hazardous waste. facility generated in excess of 2.2 lbs of acute HW P listed waste in a single calendar month. Manifest tracking # 009361315FLE, 0099347779, 009211246FLE (2016) dates. Obtain EPA ID # adequate for this facility Submit documentation to the CUPA demonstrating that you have obtained an appropriate EPA ID number for the waste generated at this site.
Violation Division: El Segundo City Fire Department
Violation Program: HWLQG
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Coordinates:
Site ID: 84384

WALGREENS #9882 (Continued) **S113150919**

Facility Name:	Walgreens #9882
Env Int Type Code:	HWG
Program ID:	10413214
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.920480
Longitude:	-118.396740

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Verisk 3E, Regulatory Dept/Walgreen Co., 3207 Grey Hawk Ct, Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	John Koning, on behalf of Walgreen Co.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	John Koning, on behalf of Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Department/Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Court, Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Walgreens
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

WALGREENS #9882 (Continued) **S113150919**

Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Legal Owner
Entity Name:	Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	200 Wilmot Road
Affiliation City:	Deerfield
Affiliation State:	IL
Affiliation Country:	United States
Affiliation Zip:	60015
Affiliation Phone:	(847) 914-2264
Affiliation Type Desc:	Operator
Entity Name:	Walgreen Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(847) 914-2264

J55 **WALGREENS #9882** **RCRA-VSQG** **1019322491**
NW **N SEPULVEDA BLVD** **FINDS** **CAL000327767**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.172 mi.
907 ft. **Site 8 of 8 in cluster J**

Relative:
Lower

Actual:
109 ft.

RCRA-VSQG:

Date form received by agency:	09/23/2016
Facility name:	WALGREENS #9882
Facility address:	N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAL000327767
Mailing address:	GREYHAWK CT STE 200 CARLSBAD, CA 92010
Contact:	KARINA ROMERO
Contact address:	GREYHAWK CT SUITE 200 CARLSBAD, CA 92010
Contact country:	US
Contact telephone:	760-602-8700
Contact email:	REGULATORY@3ECOMPANY.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

WALGREENS #9882 (Continued) **1019322491**

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	WALGREEN CO
Owner/operator address:	WILMONT RD
	DEERFIELD, IL 60015
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	11/23/2007
Owner/Op end date:	Not reported

Owner/operator name:	WALGREEN CO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	11/23/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

WALGREENS #9882 (Continued) **1019322491**

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WALGREENS #9882 (Continued) **1019322491**

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 109

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 15

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 5

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 2

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 4

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 5

Violation Status: No violations found

FINDS:

Registry ID: 110070148382

Environmental Interest/Information System
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K56 **CHEVRON #9-7879** **CA LUST** **U003064093**
SW **101 SEPULVEDA BLVD S** **CA SWEEPS UST** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.184 mi. **CA LOS ANGELES CO. HMS**
970 ft. **Site 6 of 7 in cluster K** **CA CERS**

Relative:
Lower

Actual:
112 ft.

LUST:
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City,State,Zip: EL SEGUNDO, CA 90245

CHEVRON #9-7879 (Continued) **U003064093**

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703512
Global Id:	T0603703512
Latitude:	33.9158106
Longitude:	-118.3961311
Status:	Completed - Case Closed
Status Date:	08/26/1996
Case Worker:	YR
RB Case Number:	I-09890
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603703512
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603703512
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703512
Action Type:	Other
Date:	06/22/1993
Action:	Leak Discovery

Global Id:	T0603703512
Action Type:	Other
Date:	06/22/1993
Action:	Leak Reported

LUST:

Global Id:	T0603703512
Status:	Open - Case Begin Date
Status Date:	06/22/1993

Global Id:	T0603703512
Status:	Open - Site Assessment
Status Date:	06/22/1993

Global Id: T0603703512

CHEVRON #9-7879 (Continued) **U003064093**

Status: Open - Remediation
Status Date: 08/16/1995

Global Id: T0603703512
Status: Completed - Case Closed
Status Date: 08/26/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09890	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703512	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	EL SEGUNDO BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/22/1993	
Date Leak First Reported:		6/22/1993
Date Leak Record Entered:	7/22/1993	
Date Confirmation Began:	6/22/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/29/1998
Date the Case was Closed:		8/26/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	CHEVRON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6942.1216422851674645778665277
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		8/16/1995
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		550
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	

CHEVRON #9-7879 (Continued) **U003064093**

RP Address: P.O. BOX 2833, LA HABRA, CA 90632-2833
Program: LUST
Lat/Long: 33.9158106 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: PLAN TO IMPLEMENT IN 60 DAYS IF NO RESPONSE FROM RWB 03/28/96 REQURST FOR SITE CLOSURE.

SWEEPS UST:
Name: CHEVRON USA SS 7879
Address: 101 SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 8

Name: CHEVRON USA SS 7879
Address: 101 SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON USA SS 7879
Address: 101 SEPULVEDA BLVD
City: EL SEGUNDO

CHEVRON #9-7879 (Continued) **U003064093**

Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON USA SS 7879
Address:	101 SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000004
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON USA SS 7879
Address:	101 SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000005
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CHEVRON #9-7879 (Continued) **U003064093**

Name:	CHEVRON USA SS 7879
Address:	101 SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON USA SS 7879
Address:	101 SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000007
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CHEVRON USA SS 7879
Address:	101 SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000008
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

CHEVRON #9-7879 (Continued) **U003064093**

Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
edr_fname: CHEVRON #9-7879
edr_fadd1: 101 SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09890

LOS ANGELES CO. HMS:
Name: JOE BABB CHEVRON
Address: 101 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: I
Facility Id: 008432-I09890
Facility Type: 01
Facility Status: Removed
Area: 2N
Permit Number: 000010297
Permit Status: Removed

CERS:
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 215652
CERS ID: T0603703512
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

L57
SE
1/8-1/4
0.188 mi.
993 ft.

HUGHES AIRCRAFT COMPANY
2000 EL SEGUNDO BLVD E
EL SEGUNDO, CA

Site 1 of 24 in cluster L

CA RGA LUST **S114633835**
N/A

Relative:
Higher

Actual:
129 ft.

RGA LUST:

Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2012	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2011	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2010	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2009	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2008	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2007	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2006	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2005	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2003	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2002	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		

HUGHES AIRCRAFT COMPANY (Continued) **S114633835**

City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2001	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2000	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1998	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT COMPANY		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1997	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E

L58 **CA CHMIRS** **S105638538**
SE **2000 EAST EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.188 mi.
993 ft. **Site 2 of 24 in cluster L**

Relative: **Higher**

Actual: **129 ft.**

CHMIRS:

Name:	Not reported
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	3-6407
OES notification:	12/12/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

(Continued) **S105638538**

Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Raytheon Co.
Incident Date:	12/12/200312:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	treated waste water
Gallons:	1000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release occurred when a line was ruptured while removing an underground storage tank with a back hole. It discharged into the soil.
Name:	Not reported
Address:	2000 EAST EL SEGUNDO BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	10719
OES notification:	Not reported
OES Date:	10/30/1995
OES Time:	05:50:02 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

(Continued) **S105638538**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain leads to san pedro bay
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	hughes aircraft company
Incident Date:	2400/30, Oct 95
Admin Agency:	Not reported
Amount:	100-150 gals.
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	industrial waste water ph at 3-4 (water containing trace metals, chrome, nickel, silver, copper)
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	overflow in one of the waste treatment tanks and water flowed over the top of containment structure, flowing into the parking lot and into the storm drain. pumps shut off to stop the flow between 0030 and 0100 am.

L59 **BLDGS E1,E4,E6,E7** **CA AST** **A100323169**
SE **2000 E. EL SEGUNDO BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.188 mi.
993 ft. **Site 3 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

AST:

Name:	BLDGS E1,E4,E6,E7
Address:	2000 E. EL SEGUNDO BLVD.
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo
Owner:	RAYTHEON
Total Gallons:	6,500
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

L60 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **SEMS-ARCHIVE** **1015732613**
SE **2000 E. EL SEGUNDO BLVD** **CORRACTS** **CAD000633230**
1/8-1/4 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.188 mi. **RCRA-LQG**
993 ft. **Site 4 of 24 in cluster L** **US FIN ASSUR**
2020 COR ACTION

Relative:
Higher

NY MANIFEST

Actual:
129 ft.

SEMS Archive:

Site ID:	0903300
EPA ID:	CAD000633230
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1991-05-21 04:00:00
Finish Date:	1991-05-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-09-12 04:00:00
Qual:	D
Current Action Lead:	EPA Perf

CORRACTS:

EPA ID:	CAD000633230
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	20180316
Action:	CA200 - RFI Approved
NAICS Code(s):	334419 332813 Other Electronic Component Manufacturing Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date:	Not reported
Schedule end date:	Not reported
EPA ID:	CAD000633230
EPA Region:	09
Area Name:	ENTIRE FACILITY

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Actual Date: 20170609
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20170331
Schedule end date: 20170601

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20161220
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20161223
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20161006
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150921
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20161229
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150529
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150324

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20151231
Schedule end date: 20150301

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130625
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120628
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120319
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20120228
Schedule end date: 20120531

RCRA-TSDF:
Date form received by agency: 03/01/2018
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1997
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/18/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 02/25/2016
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 07/26/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 06/08/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 03/26/1996
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 04/13/1992
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

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. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Corrective Action Summary:

Event date:	09/07/1991
Event:	LEAD AGENCY DETERMINATION
Event date:	09/07/1991
Event:	PA OR CERCLA INSPECTION
Event date:	09/07/1991
Event:	RFA COMPLETED
Event date:	09/07/1991
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	01/24/1992
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	01/24/1992
Event:	STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Event date:	03/19/2012
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	06/28/2012
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	06/25/2013
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	03/24/2015
Event:	INVESTIGATION REPORT RECEIVED
Event date:	05/29/2015
Event:	INVESTIGATION COMPLETE
Event date:	09/21/2015
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	10/06/2016
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	12/20/2016
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	06/09/2017
Event:	INVESTIGATION REPORT RECEIVED
Event date:	03/16/2018
Event:	INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	06/22/2006
Date achieved compliance:	07/21/2006

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/22/1991
Date achieved compliance: 01/06/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/27/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/23/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/10/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/02/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 03/08/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 02/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/2002
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 01/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/28/1994
Evaluation lead agency: State

Evaluation date: 11/22/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/06/1994
Evaluation lead agency: EPA Contractor/Grantee

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 08/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/26/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/06/1994
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 03/01/2018
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/18/1997
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/18/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	E
Accumulated waste on-site:	No
Generated waste on-site:	Yes

Waste type:	Batteries
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type:	Thermostats
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 02/25/2016
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 07/26/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 06/08/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 03/26/1996
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date form received by agency: 03/30/1994
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 04/13/1992
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 5

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Corrective Action Summary:

Event date: 09/07/1991
Event: LEAD AGENCY DETERMINATION

Event date: 09/07/1991
Event: PA OR CERCLA INSPECTION

Event date: 09/07/1991
Event: RFA COMPLETED

Event date: 09/07/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/24/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/24/1992

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 03/19/2012
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 06/28/2012
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 06/25/2013
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 03/24/2015
Event: INVESTIGATION REPORT RECEIVED

Event date: 05/29/2015
Event: INVESTIGATION COMPLETE

Event date: 09/21/2015
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 10/06/2016
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 12/20/2016
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 06/09/2017
Event: INVESTIGATION REPORT RECEIVED

Event date: 03/16/2018
Event: INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/22/2006
Date achieved compliance: 07/21/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/22/1991
Date achieved compliance: 01/06/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/27/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 09/23/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/10/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/02/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 03/08/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 05/25/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/2002
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 01/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/28/1994
Evaluation lead agency: State

Evaluation date: 11/22/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/06/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/26/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/06/1994
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 839820
Face value: 850731
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 878460
Face value: 2921482
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 878460
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-05-30 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 2000000
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

EPA ID: CAD000633230

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	2000000
Face value:	2921482
Effective date:	2009-05-20 00:00:00
Provider:	INTESA SANPAOLO
EPA region:	9

2020 COR ACTION:

EPA ID:	CAD000633230
Region:	9
Action:	Not reported

NY MANIFEST:

Name:	HUGHES AIRCRAFT COMPANY
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245-0902
Country:	USA
EPA ID:	CAD000633230
Facility Status:	Not reported
Location Address 1:	2000 EL SEGUNDO BOULEVARD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	EL SEGUNDO
Location State:	CA
Location Zip:	90245
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD000633230
Mailing Name:	HUGHES AIRCRAFT COMPANY
Mailing Contact:	DEAN D RICHARDSON
Mailing Address 1:	2000 EL SEGUNDO BOULEVARD
Mailing Address 2:	Not reported
Mailing City:	SEGUNDO
Mailing State:	CA
Mailing Zip:	90245
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136165284

NY MANIFEST:

Document ID:	NYC5731312
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71072NNY
Generator Ship Date:	06/28/2001
Trans1 Recv Date:	06/28/2001
Trans2 Recv Date:	07/02/2001
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	010
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	003
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

L61
SE
1/8-1/4
0.188 mi.
993 ft.

RAYTHEON SYSTEMS COMPANY
2000 E. EL SEGUNDO BL.
EL SEGUNDO, CA 90245

Site 5 of 24 in cluster L

CA UST **U003782150**
N/A

Relative:
Higher

Actual:
129 ft.

UST:

Name:	RAYTHEON SYSTEMS COMPANY
Address:	2000 E. EL SEGUNDO BL.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300131
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9162267
Longitude:	-118.3877344

EL SEGUNDO UST:

Name:	RATHEON SYSTEMS COMPANY
Address:	2000 E. EL SEGUNDO BLVD
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported

RAYTHEON SYSTEMS COMPANY (Continued) **U003782150**

Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

L62 **RAYTHEON CO** **CA ENVIROSTOR** **1008152328**
SE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA NPDES**
0.188 mi. **CA CIWQS**
993 ft. **Site 6 of 24 in cluster L** **CA CERS**

Relative:
Higher

Actual:
129 ft.

ENVIROSTOR:

Name:	RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	80001335
Status:	Active
Status Date:	01/01/2008
Site Code:	300331
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Richard Allen
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91419
Longitude:	-118.3892
APN:	NONE SPECIFIED
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description:	SOIL
Alias Name:	CAD000633230
Alias Type:	EPA Identification Number
Alias Name:	110018947826
Alias Type:	EPA (FRS #)
Alias Name:	300331
Alias Type:	Project Code (Site Code)
Alias Name:	80001335
Alias Type:	Envirostor ID Number

Completed Info:

RAYTHEON CO (Continued) **1008152328**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 12/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/26/2017
Comments: DONE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

RAYTHEON CO (Continued) **1008152328**

Completed Date: 10/25/2018
Comments: completed and sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/28/2012
Comments: conditional appoval, field work to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/25/2013
Comments: field work begun

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 12/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/07/2014
Comments: Not reported

RAYTHEON CO (Continued) **1008152328**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 12/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2017
Comments: Schedule is not longer valid. New date to receive submittal is 4/28/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/12/2017
Comments: moved to Sacramento

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 03/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2017
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Construction Complete
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Measures Study Report
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported

RAYTHEON CO (Continued) **1008152328**

Schedule Document Type: Groundwater Migration Controlled
Schedule Due Date: 03/15/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Selection and Statement of Basis
Schedule Due Date: 06/15/2019
Schedule Revised Date: Not reported

CHMIRS:

Name:	Not reported
Address:	2000 E. EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	1-2235
OES notification:	04/07/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Raytheon Company
Incident Date:	3/22/2011
Admin Agency:	El Segundo Fire Department
Amount:	Not reported

RAYTHEON CO (Continued) **1008152328**

Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Antimony
Quantity Released:	39
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	HISTORIC REPORT: The caller is reporting that antimony (a soft metal) was in a load of debris sent to a landfill. The caller stated that the amount of antimony was well below the federal reportable quantity.

NPDES:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021413
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/16/2008
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

RAYTHEON CO (Continued) **1008152328**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

RAYTHEON CO (Continued) **1008152328**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008
Place Size:	143
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer

RAYTHEON CO (Continued) **1008152328**

Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	339622
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I021413
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Termination Date Of Regulatory Measure:	Not reported

RAYTHEON CO (Continued) **1008152328**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2000 E El Segundo Blvd
Discharge Name:	Raytheon Co
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

RAYTHEON CO (Continued) **1008152328**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008
Place Size:	143

RAYTHEON CO (Continued) **1008152328**

Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD

RAYTHEON CO (Continued) **1008152328**

City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Raytheon Co
Agency Address:	2000 E El Segundo Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021413
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/16/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91631
Longitude:	-118.3934

CERS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	540443
CERS ID:	711239
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	540443
Site Name:	Raytheon Co
Violation Date:	02-05-2009
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	166 & 202 mg/L of TSS were detected at the locations, SS2 & SS1, respectively, on 2/5/09.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

RAYTHEON CO (Continued) **1008152328**

Enforcement Action:

Site ID:	540443
Site Name:	Raytheon Co
Site Address:	2000 E EL SEGUNDO BLVD
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	06-16-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Raytheon Co
Entity Title:	Operator
Affiliation Address:	2000 E El Segundo Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

L63 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **CA SWEEPS UST** **1000240981**
SE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.188 mi. **CA ICE**
993 ft. **Site 7 of 24 in cluster L** **CA HWP**

Relative: Higher

Actual: 129 ft.

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	12

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000005
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000007
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000041
Tank Status: Not reported
Capacity: 1

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000042
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000043
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000044
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000045
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000046
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	34

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000008
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000009
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000010
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000011
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000012
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000013
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000014
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000015
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000016
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000017
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000018
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000019
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000020
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000021
Tank Status: A
Capacity: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000022
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000023
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000025
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000026
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000027
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000028
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000029
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000030
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000031
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000032
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000033
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000034
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000035
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000036
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000037
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000038
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000039
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000040
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CHMIRS:
Name: Not reported
Address: 2000 EAST EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
OES Incident Number: 08-8955
OES notification: 12/16/2008
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1420
Year:	2008
Agency:	Ratheon Company
Incident Date:	12/16/2008
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Storm drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP advised his agency found an abandoned container with approximately 5 gallons of motor

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

oil or crank oil in their parking lot.

Name:	Not reported
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	10-5897
OES notification:	09/30/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1010
Year:	2010
Agency:	Raytheon
Incident Date:	9/30/2010
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaking fuel return line from an underground storage tank system.

HAZNET:

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAH111001444
Contact:	LISA SCALES
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 90601
Gen County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County:	99
Tons:	1
CA Waste Code:	612-
Method:	H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAH111001444
Contact:	LISA SCALES
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 90601
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99
Tons:	0.2875
CA Waste Code:	612-Household waste
Method:	H121-Neutralization Only
Facility County:	Los Angeles

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

GEPAID: CAH111001444
Contact: LISA SCALES
Telephone: 5629084288
Mailing Name: Not reported
Mailing Address: 1955 WORKMAN MILL RD
Mailing City,St,Zip: WHITTIER, CA 90601
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.7975
CA Waste Code: 612-Household waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: RAYTHEON CO (LOT F)
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAH111001444
Contact: LISA SCALES
Telephone: 5629084288
Mailing Name: Not reported
Mailing Address: 1955 WORKMAN MILL RD
Mailing City,St,Zip: WHITTIER, CA 90601
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Tons: 0.3385
CA Waste Code: 612-Household waste
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

ICE:
Envirostor ID: 3000609
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/18/2002

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2006
Violation Class: No Violations
RTC Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/27/2000
Violation Class: Class 1, Minor
RTC Date: 09/06/2002

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/18/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/20/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/03/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/08/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/29/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/10/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/21/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/24/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2017
Violation Class: No Violations
RTC Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

HWP:

Name:	RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
EPA Id:	CAD000633230
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	33.91419
Longitude:	-118.3892
Facility Type:	Historical - Non-Operating
Facility Size:	Small Storage
Team:	MUZHDA FEROUZ
Supervisor:	PARAMPREET BHATTI
Site Code:	300331
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date:	08/06/2007

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	10/08/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	08/17/2007

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	03/28/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	03/28/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	10/08/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 11/27/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 04/06/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION
Actual Date: 06/08/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL CEQA
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 08/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 10/12/2017

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 11/08/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 10/06/2015

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 06/12/1990

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 10/01/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 06/22/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/07/1983

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/22/1995

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 08/17/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/1994

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA DOC FOR PUBLIC REVIEW
Actual Date: 11/19/2018

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 01/27/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL COMPLETE LETTER
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL REVIEW COMPLETED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/12/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: *Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 12/05/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/30/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/29/1983

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA TO OPEA
Actual Date: 10/25/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/29/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 06/14/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 12/24/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 01/28/1997

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 03/23/2018

Closure:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN REQUESTED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CEQA DETERMINATION
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - DRAFT CEQA
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/30/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - FINAL CEQA
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: Not reported

Alias:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110018947826

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300331

Maintenance:
EPA Id: CAD000633230
Title: Reassignment of DTSC Project Manager
Document Type: Correspondence
Received Date: 01/25/2017

EPA Id: CAD000633230
Title: 2016 Waste Minimization Certification for Raytheon Company
Document Type: Certification Documents from Facility
Received Date: 04/04/2017

L64 **HUGHES AIRCRAFT COMPANY** **CA LUST S104406645**
SE **2000 EL SEGUNDO BLVD E** **CA HIST CORTESE N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.188 mi.
993 ft. **Site 8 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

LUST:
Name: HUGHES AIRCRAFT COMPANY
Address: 2000 EL SEGUNDO BLVD E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792958
Global Id: T0603792958
Latitude: 33.9131995947745
Longitude: -118.388929367065
Status: Completed - Case Closed
Status Date: 07/22/1996
Case Worker: YR
RB Case Number: R-10917
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: * Solvents
Site History: Not reported

LUST:
Global Id: T0603792958
Contact Type: Local Agency Caseworker

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603792958
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603792958
Action Type: Other
Date: 01/14/1986
Action: Leak Reported

LUST:
Global Id: T0603792958
Status: Open - Case Begin Date
Status Date: 01/14/1986

Global Id: T0603792958
Status: Open - Site Assessment
Status Date: 04/21/1988

Global Id: T0603792958
Status: Open - Remediation
Status Date: 05/04/1995

Global Id: T0603792958
Status: Completed - Case Closed
Status Date: 07/22/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10917
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: VEGT
Global ID: T0603792958
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: CONTINENTAL BLVD

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/14/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/15/1996
Date the Case was Closed:		7/22/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	AREA EOS, BUILDING E-07	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6965.155645059023426699634092 4
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/21/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		5/4/1995
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES ELECTRO-OPTICAL & DSG.	
RP Address:	P.O. BOX 902, EL SEGUNDO CA 90243	
Program:	LUST	
Lat/Long:	33.916304 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	WDR HAS BEEN ISSUED. WDR WILL BE USED ALONG WITH INDUSTRIAL WASTE PERMIT FUEL AND SOLVENT CONTAMINATION. 11/15/96 - WELL ABANDONMENT REPORT	

HIST CORTESE:

edr_fname:	HUGHES AIRCRAFT COMPANY
edr_fadd1:	2000 EL SEGUNDO
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-10917X

CERS:

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Name: HUGHES AIRCRAFT COMPANY
Address: 2000 EL SEGUNDO BLVD E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 187348
CERS ID: T0603792958
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

L65 **RAYTHEON COMPANY** **CA UST** **U003836535**
SE **2000 E. EL SEGUNDO BL. BLDG. E-1** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.188 mi.
993 ft. **Site 9 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

EL SEGUNDO UST:
Name: RAYTHEON COMPANY
Address: 2000 E. EL SEGUNDO BL. BLDG. E-1
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03418
Permit Number: 30-0131

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Permanent Facility Closure
Date Inspected: 12/15/1998

L66 **RAYTHEON** **CA CERS HAZ WASTE** **S121745701**
SE **2000 E EL SEGUNDO BLVD** **CA CERS TANKS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.188 mi.
993 ft. **Site 10 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

CERS HAZ WASTE:
Name: RAYTHEON
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146798
CERS ID: 10131241
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: RAYTHEON
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146798
CERS ID: 10131241
CERS Description: Aboveground Petroleum Storage

CERS:
Name: RAYTHEON
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146798
CERS ID: 10131241
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facilities SPCC plan has met all requirements under the State's APSA regulations. The plan cold have more details on the training that is given to each type of individual covered under the plan. Also, a description of the training topics covered in the training session would improve the training records. A better way of documenting the approval method for releasing rain water would improve the plan. Raytheon is doing a good job of implementing the plan and keeping all required records.
Eval Division: El Segundo City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-10-2017
Violations Found: No

RAYTHEON (Continued) **S121745701**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 647-4196

Affiliation Type Desc: Parent Corporation
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: 2000 E. El Segundo Blvd., Bldg E04 M/S N169
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 647-4196

Affiliation Type Desc: Document Preparer
Entity Name: Jayalakshmi Manju Mohan
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

RAYTHEON (Continued) **S121745701**

Affiliation Type Desc:	Identification Signer
Entity Name:	Suzelle Moss
Entity Title:	Director of Environmental Health & Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jayalakshmi Manju Mohan
Entity Title:	Not reported
Affiliation Address:	2000 E. El Segundo Blvd, Bldg E04 M/S N131
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

L67 **HUGHES AIRCRAFT COMPANY** **CA RGA LUST** **S114633837**
SE **2000 EL SEGUNDO BLVD, E.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.188 mi.
993 ft. **Site 11 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

RGA LUST:

Name:	HUGHES AIRCRAFT COMPANY
Address:	2000 EL SEGUNDO BLVD, E.
City:	EL SEGUNDO
State:	EL SEGUNDO

1994 HUGHES AIRCRAFT COMPANY 2000 EL SEGUNDO BLVD, E.

Name:	HUGHES AIRCRAFT COMPANY
Address:	2000 EL SEGUNDO BLVD, E.
City:	EL SEGUNDO
State:	EL SEGUNDO

1993 HUGHES AIRCRAFT COMPANY 2000 EL SEGUNDO BLVD, E.

L68 **CA AST** **S100276312**
SE **2000 BLOCK E. EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.188 mi.
993 ft. **Site 12 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

AST:

Name:	RAYTHEON
Address:	2000 E EL SEGUNDO BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Raytheon Company
Total Gallons:	Not reported
CERSID:	10131241
Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company
Operator Phone:	310-647-4196
Owner Phone:	310-647-4196
Owner Mail Address:	2000 E. El Segundo Blvd., Bldg E04 M/S N169
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAD000633230

CHMIRS:

Name:	Not reported
Address:	2000 BLOCK E. EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	099174
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**03-MAY-90**
Property Use:	962
Agency Id Number:	19065
Agency Incident Number:	UNKNOWN
Time Notified:	825
Time Completed:	1135
Surrounding Area:	700
Estimated Temperature:	70
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0

(Continued) **S100276312**

Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	CAPT. JAMES O'BRIEN
Report Date:	03-MAY-90
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	03-MAY-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	13-MAY-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

L69 **HUGHES AIRCRAFT** **CA RGA LUST** **S114633855**
SE **2000 EL SEGUNDO BLVD E** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.188 mi.
993 ft. **Site 13 of 24 in cluster L**

Relative: **Higher**

Actual: **129 ft.**

RGA LUST:

Name:	HUGHES AIRCRAFT		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1996	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E
Name:	HUGHES AIRCRAFT		
Address:	2000 EL SEGUNDO BLVD E		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1995	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E

K70 **CHEVRON TRAINING CENTER** **EDR Hist Auto** **1020189840**
SW **135 S SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.188 mi.
995 ft. **Site 7 of 7 in cluster K**

Relative: **Lower**

Actual: **111 ft.**

EDR Hist Auto

Year:	Name:	Type:
1989	CHEVRON TRAINING CTR	Gasoline Service Stations, NEC
1990	CHEVRON TRAINING CTR	Gasoline Service Stations, NEC
1991	CHEVRON TRAINING CTR	Gasoline Service Stations, NEC
1992	CHEVRON TRAINING CENTER	Gasoline Service Stations, NEC
1993	CHEVRON TRAINING CENTER	Gasoline Service Stations, NEC

L71 **RAYTHEON COMPANY** **CA AST** **A100423746**
SE **2002 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.189 mi.
999 ft. **Site 14 of 24 in cluster L**

Relative: **Higher**

Actual: **129 ft.**

AST:

Name:	RAYTHEON COMPANY
Address:	2002 E EL SEGUNDO BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Raytheon Company
Total Gallons:	Not reported
CERSID:	10131655
Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company
Operator Phone:	310-647-4196
Owner Phone:	310-647-4196

RAYTHEON COMPANY (Continued) **A100423746**

Owner Mail Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAD000633230

L72 **RAYTHEON COMPANY** **CA AST** **A100423747**
SE **2006 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.192 mi.
1013 ft. **Site 15 of 24 in cluster L**

Relative: **Higher**

Actual: **129 ft.**

AST:

Name:	RAYTHEON COMPANY
Address:	2006 E EL SEGUNDO BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Raytheon Company
Total Gallons:	Not reported
CERSID:	10131658
Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company
Operator Phone:	310-647-4196
Owner Phone:	310-647-4196
Owner Mail Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD000633230

L73
SE
1/8-1/4
0.192 mi.
1013 ft.

RAYTHEON COMPANY
2006 E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245

Site 16 of 24 in cluster L

CA UST **U003836536**
N/A

Relative:
Higher

Actual:
129 ft.

UST:

Name:	RAYTHEON SYSTEMS COMPANY
Address:	2006 E. EL SEGUNDO BL. BLDG. E-4
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300170
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9163
Longitude:	-118.39329

Name:	RAYTHEON COMPANY
Address:	2006 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	37.271881
Longitude:	-119.270233

EL SEGUNDO UST:

Name:	RAYTHEON COMPANY
Address:	2006 E. EL SEGUNDO BL. BLDG. E-4
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Unknown
CERT Number:	Not reported
Permit Number:	30-0170

Tank Number:	000001
Tank Status:	Change of Information
Tank Content:	Other petroleum
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	09/10/2008

Tank Number:	000002
Tank Status:	Change of Information
Tank Content:	Other petroleum
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	09/10/2008

Tank Number:	000003
Tank Status:	Change of Information
Tank Content:	Other petroleum
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	09/10/2008

Tank Number:	000004
Tank Status:	Change of Information
Tank Content:	Other petroleum

RAYTHEON COMPANY (Continued) **U003836536**

Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000005
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000006
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000007
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000008
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000009
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000010
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000011
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported

RAYTHEON COMPANY (Continued) **U003836536**

Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000012
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

L74 **RAYTHEON COMPANY** **CA UST** **U003782153**
SE **2008 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.193 mi.
1019 ft. **Site 17 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

UST:
Name: RAYTHEON SYSTEMS COMPANY
Address: 2008 E. EL SEGUNDO BL. BLDG. E-5
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300135
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9163
Longitude: -118.39325

Name: RAYTHEON COMPANY
Address: 2008 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 37.271881
Longitude: -119.270233

EL SEGUNDO UST:
Name: RAYTHEON COMPANY
Address: 2008 E. EL SEGUNDO BL. BLDG. E-5
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03417

RAYTHEON COMPANY (Continued) **U003782153**

Permit Number: 30-0135

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

L75 **RAYTHEON COMPANY** **CA AST** **A100423748**
SE **2008 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.193 mi.
1019 ft. **Site 18 of 24 in cluster L**

Relative: **Higher**

Actual: **129 ft.**

AST:
Name: RAYTHEON COMPANY
Address: 2008 E EL SEGUNDO BLVD
City/Zip: EL SEGUNDO,90245
Certified Unified Program Agencies: Not reported
Owner: Raytheon Company
Total Gallons: Not reported
CERSID: 10131661
Facility ID: Not reported
Business Name: Raytheon Company
Phone: 310-647-4196
Fax: 310-647-4191
Mailing Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City: El Segundo
Mailing Address State: CA
Mailing Address Zip Code: 90245
Operator Name: Raytheon Company
Operator Phone: 310-647-4196
Owner Phone: 310-647-4196
Owner Mail Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State: CA
Owner Zip Code: 90245
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported

RAYTHEON COMPANY (Continued) **A100423748**

Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAD000633230

L76 **RAYTHEON COMPANY** **CA CERS TANKS** **S121775298**
SE **2008 E EL SEGUNDO BLVD** **CA CERS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.193 mi.
1019 ft. **Site 19 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

CERS TANKS:
Name: RAYTHEON COMPANY
Address: 2008 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 400440
CERS ID: 10131661
CERS Description: Underground Storage Tank

CERS:
Name: RAYTHEON COMPANY
Address: 2008 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 400440
CERS ID: 10131661
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 400440
Site Name: Raytheon Company
Violation Date: 03-21-2019
Citation: 23 CCR 16 2716(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(f)
Violation Description: "Failure to maintain on-site, or off-site at a readily available location if approved by the UPA, copies of Designated Operator inspection records as follows: Designated operator monthly inspection records for inspections performed before October 1, 2018 must be kept for 12 months from the month of inspection. For inspections performed on or after October 1, 2018, copies of the ""Designated Underground Storage Tank Operator Visual Inspection Report"" must be kept for 36 months from the month of inspection. "
Violation Notes: Returned to compliance on 04/07/2019. Title 23, Section 2716(c). Facility has not used Title 23 Appendix XIII "Designated Underground Storage Tank Operator Visual Inspection Report" to document DO monthly inspections from October 2018 to present. Moving forward, the facility shall document DO monthly inspection using Title 23 Appendix XIII. The facility shall provide the ESFD with a copy of the DO monthly inspection for the month of April 2019.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 400440
Site Name: Raytheon Company
Violation Date: 04-06-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all

RAYTHEON COMPANY (Continued) **S121775298**

	required content.
Violation Notes:	Returned to compliance on 05/04/2018. The site Map provided in submittal does not contain all the required elements. Please include locations of all hazardous materials located at this site, electrical/gas/water shut off valves, spill equipment and emergency equipment Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-26-2018
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Returned to compliance on 05/16/2018. Owner/Operator did not conduct secondary containment testing within six months of installation and every 36 months thereafter and/or conduct testing in accordance with proper practices, protocols, or test methods. Conduct secondary containment testing within six months of installation and every 36 months thereafter. Conduct testing in accordance with proper practices, protocols, or test methods. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-17-2014
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 04/17/2014. spill buckets passed electronic testing for .002 or less loss over two 15 minute tests
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-30-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 04/28/2017. Tank forms are expired. This facility has 30 days to re-submit tank forms.
Violation Division:	El Segundo City Fire Department

RAYTHEON COMPANY (Continued) **S121775298**

Violation Program: UST
Violation Source: CERS

Site ID: 400440
Site Name: Raytheon Company
Violation Date: 03-21-2019
Citation: 23 CCR 16 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(B), 2634(d)(1)(a), 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 03/21/2019. Title 23, Section 2641. Owner/Operator did not maintain leak detection equipment with an audible and visual alarm. Leak detection sensor for sump in UST #2 failed annual monitoring certification as witnessed during inspection. Leak detection sensor for the sump in UST #2 failed annual monitoring certification but was replaced during the inspection. No further action is required.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 400440
Site Name: Raytheon Company
Violation Date: 04-06-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/04/2018. Facility has reportable quantities of hazardous waste oil and lubricants at the site. Facility has reportable quantities of water treatment Salt at the site. Chemical Inventory information needs to be updated and submitted to the CUPA within 30 days. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 400440
Site Name: Raytheon Company
Violation Date: 03-21-2019
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 03/27/2019. Title 23, Section 2637.2. The facility failed to conduct Overfill Prevention Equipment Inspection for UST #1 and UST#2. Both USTs were observed having flapper valves and Audible/Visual Alarms. The facility shall conduct Overfill Prevention Equipment Inspection.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

RAYTHEON COMPANY (Continued) **S121775298**

Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-26-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 05/16/2018. Owner/Operator did not install or maintain spill bucket which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, or is resistant to galvanic corrosion. Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-21-2019
Citation:	23 CCR 16 2666(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(f)
Violation Description:	Failure of the functional line leak detector (LLD) to monitor at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping or triggers a visual and audible alarm.
Violation Notes:	Returned to compliance on 05/06/2019. Owner/Operator did not install or failed to ensure that a functional LLD was installed on underground piping connected to emergency generator tank system which monitors at least hourly with the capability of detecting a release of 3.0 gph leak at 10 psi and restricts or shuts off the flow of product throug the piping, or triggers a visual and audible alarm. Repair or install LLD on underground piping connected to emergency generator tank system which meets the requirements listed above. Facility shall submit to the ESFD a written plan with a description of corrective action within 60 days of this inspection report. The facility shall make all repairs under a UST Construction Permit and the ESFD shall conduct a final inspection once repairs have been completed.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-21-2019
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the ?Designated Underground Storage Tank Operator Identification Form? within 30 days of installing a UST system or within 30 days of a change in DO.

RAYTHEON COMPANY (Continued) **S121775298**

Violation Notes:	Returned to compliance on 04/10/2019. Owner/Operator did not submit the ?Designated Underground Storage Tank Operator Identification Form? to the UPA within 30 days of obtaining or changing the DO. The current ?Designated Underground Storage Tank Operator Identification Form? in CERS lists DO's with ICC Certifications that expired on 12/14/18 and 1/15/19. Submit ?Designated Underground Storage Tank Operator Identification Form? to the UPA, in CERS, within 30 days of a change. The facility shall fill out and upload in CERS the Title 23, Appendix XI ?Designated Underground Storage Tank Operator Identification Form?.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-30-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/28/2017. Financial responsibility has not been submitted since 2015. This facility has 30 days to complete and submit a copy of their financial responsibility.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	04-06-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/04/2018. Blue Container/tank holding sulfuric acid in the Chiller/evaporation area does not display appropriate labeling. Containers/tanks holding hazardous materials must be labeled appropriately. Use SDS to obtain information for labeling purposes
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	400440
Site Name:	Raytheon Company
Violation Date:	03-31-2016
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 04/28/2016. The south spill bucket failed functionality testing.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

RAYTHEON COMPANY (Continued) **S121775298**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	(2) Diesel Storage Tanks (30,000 gallons each)
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	In-ground Spill Bucket requires electronic testing.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-21-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-30-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Tanks passed all functionality testing however this facility has not submitted tank forms since 2015. This facility shall re-submit tank forms within 30 days and make the following corrections: 1. Answer yes to ATG question on tank monitoring page. 2. Answer yes to spill bucket testing question on tank monitoring page 3. Update D.O. license expiration date.
Eval Division:	El Segundo City Fire Department

RAYTHEON COMPANY (Continued) **S121775298**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 400440
Facility Name: Raytheon Company
Env Int Type Code: HMBP
Program ID: 10131661
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.916198
Longitude: -118.390579

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: UST Tank Owner
Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: 2000 E. El Segundo Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 647-4196

Affiliation Type Desc: Environmental Contact
Entity Name: Jayalakshmi Manju Mohan
Entity Title: Not reported
Affiliation Address: 2000 E El Segundo Blvd, Bldg E4 M/S N131

RAYTHEON COMPANY (Continued) **S121775298**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	2000 E. El Segundo Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Parent Corporation
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant

RAYTHEON COMPANY (Continued) **S121775298**

Entity Name:	Glenn Portillo
Entity Title:	EHSS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 647-9451
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RAYTHEON COMPANY
Entity Title:	Not reported
Affiliation Address:	2000 E. El Segundo Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Document Preparer
Entity Name:	Jayalakshmi Manju Mohan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Suzelle Moss
Entity Title:	Director of Environmental Health & Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

L77 **RAYTHEON SYSTEMS COMPAMY** **CA UST** **U003782149**
SE **2012 E. EL SEGUNDO BL. BLDG. E-7** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.196 mi.
1033 ft. **Site 20 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

UST:

Name:	RAYTHEON SYSTEMS COMPAMY
Address:	2012 E. EL SEGUNDO BL. BLDG. E-7
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300129
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9163
Longitude:	-118.39317

EL SEGUNDO UST:

Name:	RAYTHEON COMPANY

RAYTHEON SYSTEMS COMPAMY (Continued) **U003782149**

Address:	2012 E. EL SEGUNDO BL. BLDG. E-7
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	03430
Permit Number:	30-0129
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Permanent Facility Closure
Date Inspected:	Not reported
Tank Number:	000002
Tank Status:	UST Removal
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Permanent Facility Closure
Date Inspected:	Not reported
Tank Number:	000003
Tank Status:	UST Removal
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Permanent Facility Closure
Date Inspected:	Not reported

L78 **RAYTHEON COMPANY** **CA AST** **A100423749**
SE **2012 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.196 mi.
1033 ft. **Site 21 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

AST:

Name:	RAYTHEON COMPANY
Address:	2012 E EL SEGUNDO BLVD
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Raytheon Company
Total Gallons:	Not reported
CERSID:	10131664
Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company
Operator Phone:	310-647-4196
Owner Phone:	310-647-4196
Owner Mail Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State:	CA
Owner Zip Code:	90245

RAYTHEON COMPANY (Continued) **A100423749**

Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAD000633230

M79 **HUGHES AIRCRAFT CO. RADAR SYS.** **RCRA-SQG 1000241005**
WSW **101 NORTH SEPULVEDA R35** **FINDS CAD981407513**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.196 mi.
1033 ft. **Site 1 of 5 in cluster M**

Relative:
Lower

Actual:
100 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	HUGHES AIRCRAFT CO. RADAR SYS.
Facility address:	101 NORTH SEPULVEDA R35 EL SEGUNDO, CA 90245
EPA ID:	CAD981407513
Mailing address:	P O BOX 92426 R21 106B LOS ANGELES, CA 90009
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HUGHES AIRCRAFT CO.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212

HUGHES AIRCRAFT CO. RADAR SYS. (Continued) **1000241005**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/08/1986
Site name: HUGHES AIRCRAFT CO. RADAR SYS.
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002697323

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241005
Registry ID: 110002697323
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002697323

M80 **INFINEON TECHNOLOGIES AMERICAS CORP** **CA CERS HAZ WASTE** **S118596944**
WSW **101 N SEPULVEDA BLVD** **CA NPDES** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CIWQS**
0.196 mi. **CA CERS**
1033 ft. **Site 2 of 5 in cluster M**

Relative:
Lower

Actual:
100 ft.

CERS HAZ WASTE:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP
Address:	101 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	38401
CERS ID:	10398064
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP
Address:	101 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC002461
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/17/2018
Operator Name:	Infineon Technologies Americas Corp
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	471495
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC002461
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2016
Expiration Date Of Regulatory Measure:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Infineon Technologies Americas Corp
Discharge Address:	101 N Sepulveda Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	471495
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC002461
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/06/2016
Processed Date:	04/25/2016
Status:	Active
Status Date:	09/06/2016
Place Size:	4.33
Place Size Unit:	Acres
Contact:	Ro Gunetilleke
Contact Title:	Site Services Manager
Contact Phone:	310-726-8974
Contact Phone Ext:	Not reported
Contact Email:	ro.gunetilleke@infineon.com
Operator Name:	Infineon Technologies Americas Corp
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Ro Gunetilleke
Operator Contact Title:	Site Services Manager
Operator Contact Phone:	310-726-8974
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Ro.Gunetilleke@infineon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Monica Bay
Certifier:	Ro Gunetilleke
Certifier Title:	Site Services and Facilities Manager
Certification Date:	06-SEP-16
Primary Sic:	3674-Semiconductors and Related Devices
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	INFINEON TECHNOLOGIES AMERICAS CORP
Address:	101 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	471495
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC002461
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2016
Termination Date Of Regulatory Measure:	10/17/2018
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	101 N Sepulveda Blvd
Discharge Name:	Infineon Technologies Americas Corp
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	471495
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC002461
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Infineon Technologies Americas Corp
Discharge Address:	101 N Sepulveda Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	471495
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC002461
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/06/2016
Processed Date:	04/25/2016
Status:	Active
Status Date:	09/06/2016
Place Size:	4.33
Place Size Unit:	Acres
Contact:	Ro Gunetilleke
Contact Title:	Site Services Manager
Contact Phone:	310-726-8974
Contact Phone Ext:	Not reported
Contact Email:	ro.gunetilleke@infineon.com
Operator Name:	Infineon Technologies Americas Corp
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Ro Gunetilleke
Operator Contact Title:	Site Services Manager
Operator Contact Phone:	310-726-8974
Operator Contact Phone Ext:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Operator Contact Email:	Ro.Gunetilleke@infineon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Monica Bay
Certifier:	Ro Gunetilleke
Certifier Title:	Site Services and Facilities Manager
Certification Date:	06-SEP-16
Primary Sic:	3674-Semiconductors and Related Devices
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP
Address:	101 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Infineon Technologies Americas Corp
Agency Address:	101 N Sepulveda Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Semiconductors and Related Devices
SIC/NAICS:	3674
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC002461
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/25/2016
Termination Date:	10/17/2018
Expiration/Review Date:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	33.9166
Longitude:	-118.39755

CERS:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP
Address:	101 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	38401
CERS ID:	10398064
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	38401
Site Name:	Infineon Technologies Americas Corp
Violation Date:	08-28-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 08/30/2018. The business failed to complete and electronically submit a site map with all required content including: loading area and emergency shut offs (natural gas, water, and liquid nitrogen). Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	38401
Site Name:	Infineon Technologies Americas Corp
Violation Date:	08-28-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/30/2018. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility failed to report accurate amount of liquid nitrogen (3000 gallons). Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility shall update the liquid nitrogen amounts, delete the nitrogen gas entry, and resubmit hazardous materials inventory.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Eval Date:	07-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-28-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility should correct the NFPA placards at the gate entry to upgrade the Health category from a "2" to a "3" to include the liquid nitrogen hazards. The NFPA placard for the liquid nitrogen tank should also be relocated to be visible from the gate.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	38401
Facility Name:	Infineon Technologies Americas Corp
Env Int Type Code:	HWG
Program ID:	10398064
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.916770
Longitude:	-118.397240

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Brian Dolansky
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	101 N. Sepulveda Blvd.
Affiliation City:	El Segundo
Affiliation State:	CA

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Infineon Technoligies
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Brian Dolansky
Entity Title:	Not reported
Affiliation Address:	101 N. Sepulveda Blvd.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Brian Dolansky
Entity Title:	ESH Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Infineon Technologies Americas Corp
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 726-8000
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Legal Owner
Entity Name:	Infineon Technologies Americas Corp
Entity Title:	Not reported

INFINEON TECHNOLOGIES AMERICAS CORP (Continued) **S118596944**

Affiliation Address: 101 N. Sepulveda Blvd.
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 726-8000

M81 **JOE BOB CHEVRON** **EDR Hist Auto** **1021955973**
WSW **101 SEPULVEDA BLV** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.196 mi.
1036 ft. **Site 3 of 5 in cluster M**

Relative: EDR Hist Auto
Lower

Actual:
100 ft.

Year:	Name:	Type:
1987	JOE BOB CHEVRON	Gasoline Service Stations
1988	JOE BOB CHEVRON	Gasoline Service Stations

M82 **CHEVRON** **CA RGA LUST** **S114600019**
WSW **101 SEPULVEDA BLVD S** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.196 mi.
1036 ft. **Site 4 of 5 in cluster M**

Relative: RGA LUST:
Lower
Name: CHEVRON
Address: 101 SEPULVEDA BLVD S
Actual: City: EL SEGUNDO
100 ft. State: EL SEGUNDO
1995 CHEVRON 101 SEPULVEDA BLVD S

M83 **CHEVRON #9-7879** **CA RGA LUST** **S114597419**
WSW **101 SEPULVEDA BLVD S** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.196 mi.
1036 ft. **Site 5 of 5 in cluster M**

Relative: RGA LUST:
Lower
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
Actual: City: EL SEGUNDO
100 ft. State: EL SEGUNDO
2012 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2011 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2010 CHEVRON #9-7879 101 SEPULVEDA BLVD S

CHEVRON #9-7879 (Continued) **S114597419**

Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2009 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2008 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2007 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2006 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2005 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2003 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2002 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2001 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
2000 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
1998 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S
City: EL SEGUNDO
State: EL SEGUNDO
1997 CHEVRON #9-7879 101 SEPULVEDA BLVD S
Name: CHEVRON #9-7879
Address: 101 SEPULVEDA BLVD S

CHEVRON #9-7879 (Continued) **S114597419**

City: EL SEGUNDO
State: EL SEGUNDO
1996 CHEVRON #9-7879 101 SEPULVEDA BLVD S

L84 **RAYTHEON COMPANY** **CA AST** **A100423750**
SE **2014 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.197 mi.
1040 ft. **Site 22 of 24 in cluster L**

Relative: AST:
Higher

Actual: Name: RAYTHEON COMPANY
129 ft. Address: 2014 E EL SEGUNDO BLVD
City/Zip: EL SEGUNDO,90245
Certified Unified Program Agencies: Not reported
Owner: Raytheon Company
Total Gallons: Not reported
CERSID: 10131667
Facility ID: Not reported
Business Name: Raytheon Company
Phone: 310-647-4196
Fax: 310-647-4191
Mailing Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City: El Segundo
Mailing Address State: CA
Mailing Address Zip Code: 90245
Operator Name: Raytheon Company
Operator Phone: 310-647-4196
Owner Phone: 310-647-4196
Owner Mail Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State: CA
Owner Zip Code: 90245
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: United States
EPAID: CAD000633230

L85 **RAYTHEON COMPANY** **CA AST** **A100423751**
SE **2018 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.199 mi.
1053 ft. **Site 23 of 24 in cluster L**

Relative: AST:
Higher

Actual: Name: RAYTHEON COMPANY
129 ft. Address: 2018 E EL SEGUNDO BLVD
City/Zip: EL SEGUNDO,90245
Certified Unified Program Agencies: Not reported
Owner: Raytheon Company
Total Gallons: Not reported
CERSID: 10131670

RAYTHEON COMPANY (Continued) **A100423751**

Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company
Operator Phone:	310-647-4196
Owner Phone:	310-647-4196
Owner Mail Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD000633230

L86 **RAYTHEON COMPANY** **CA UST** **U003782147**
SE **2018 E EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.199 mi.
1053 ft. **Site 24 of 24 in cluster L**

Relative:
Higher

Actual:
129 ft.

UST:

Name:	RAYTHEON COMPANY
Address:	2018 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	37.271881
Longitude:	-119.270233

Name:	RAYTHEON SYSTEMS COMPANY
Address:	2018 E. EL SEGUNDO BL. BLDG. E-22
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300124
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.91629
Longitude:	-118.39305

EL SEGUNDO UST:

Name:	RAYTHEON COMPANY
Address:	2018 E. EL SEGUNDO BL. BLDG. E-22
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Unknown
CERT Number:	Not reported
Permit Number:	30-0124

Tank Number:	000001

RAYTHEON COMPANY (Continued) **U003782147**

Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000003
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000004
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000005
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000006
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000007
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000008
Tank Status: Change of Information

RAYTHEON COMPANY (Continued) **U003782147**

Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000009
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000010
Tank Status: Not reported
Tank Content: Diesel
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: 000011
Tank Status: Not reported
Tank Content: Diesel
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/10/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

N87 **SAPA ANODIZING INC** **RCRA-SQG 1004676442**
NE **400 N CONTINENTAL BLVD** **FINDS CAR000085407**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.203 mi.
1070 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **115 ft.**

RCRA-SQG:
Date form received by agency: 10/26/2000
Facility name: SAPA ANODIZING INC
Facility address: 400 N CONTINENTAL BLVD
CONTINENTAL GRAND PLAZA I I
EL SEGUNDO, CA 90245
EPA ID: CAR000085407
Mailing address: 7933 N E 21ST AVE
PORTLAND, OR 97211
Contact: BOB OKREN
Contact address: 7933 N E 21ST AVE
PORTLAND, OR 97211
Contact country: US
Contact telephone: 503-972-1404
Contact email: Not reported

SAPA ANODIZING INC (Continued) **1004676442**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SAPA
Owner/operator address: P O BOX 5505 SE 114 85
STOCKHOLM, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 503-972-1404
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: P003
. Waste name: 2-PROPENAL (OR) ACROLEIN

Violation Status: No violations found

FINDS:

SAPA ANODIZING INC (Continued) **1004676442**

Registry ID: 110012225797

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004676442
Registry ID: 110012225797
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012225797

N88 **ANODIZING INC** **CA AST** **S113170695**
NE **400 N CONTINENTAL BLVD** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.203 mi.
1070 ft. **Site 2 of 2 in cluster N**

Relative: **Lower**
Actual: **115 ft.**

AST:
Name: CONTINENTAL GRAND PLAZA II
Address: 400 CONTINENTAL BLVD STE 140
City/Zip: EL SEGUNDO,90245
Certified Unified Program Agencies: Not reported
Owner: Not reported
Total Gallons: Not reported
CERSID: 10591615
Facility ID: Not reported
Business Name: Continental Grand Plaza II
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

ANODIZING INC (Continued) **S113170695**

HAZNET:

Name:	ANODIZING INC
Address:	400 N CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	AZD009015389
TSD County:	99
Tons:	0.366
CA Waste Code:	352-Other organic solids
Method:	R01-Recycler
Facility County:	Los Angeles

Name:	ANODIZING INC
Address:	400 N CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	AZD009015389
TSD County:	99
Tons:	0.18
CA Waste Code:	214-Unspecified solvent mixture
Method:	R01-Recycler
Facility County:	Los Angeles

Name:	ANODIZING INC
Address:	400 N CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	AZD009015389
TSD County:	99
Tons:	0.075
CA Waste Code:	352-Other organic solids
Method:	-
Facility County:	Los Angeles

Name:	ANODIZING INC
Address:	400 N CONTINENTAL BLVD

ANODIZING INC (Continued) **S113170695**

City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: AZD009015389
TSD County: 99
Tons: 0.2085
CA Waste Code: -
Method: R01-Recycler
Facility County: Los Angeles

Name: ANODIZING INC
Address: 400 N CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: AZD009015389
TSD County: 99
Tons: 0.18
CA Waste Code: 214-Unspecified solvent mixture
Method: T03-Treatment, Incineration
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

O89 **CONTINENTAL GRAND OFFICE LLC** **CA UST** **U003804630**
ENE **2100 E GRAND AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.204 mi.
1078 ft. **Site 1 of 2 in cluster O**

Relative: UST:
Lower

Actual:
117 ft.

Name: CONTINENTAL GRAND OFFICE LLC
Address: 2100 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 33.91929
Longitude: -118.39063

Name: COMPUTER SCIENCES CORPORATION
Address: 2100 E. GRAND AVE.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300024
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.919728

CONTINENTAL GRAND OFFICE LLC (Continued) **U003804630**

Longitude: -118.389369

Name: RAR2-CAMPUS 2100,LLC
Address: 2100 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 33.91929
Longitude: -118.39063

EL SEGUNDO UST:
Name: CONTINENTAL GRAND OFFICE LLC
Address: 2100 EAST GRAND AVE.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03405
Permit Number: 30-0024

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Permanent Facility Closure
Date Inspected: 03/24/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

O90 **COMPUTER SCIENCES CORP** **CA SWEEPS UST** **S104872487**
ENE **2100 E GRAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.204 mi.
1078 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **117 ft.**

SWEEPS UST:
Name: COMPUTER SCIENCES CORP
Address: 2100 E GRAND AVE
City: EL SEGUNDO
Status: Active
Comp Number: 14075
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported

COMPUTER SCIENCES CORP (Continued) **S104872487**

STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: COMPUTER SCIENCES CORP
Address: 2100 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013666-014075
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005535T
Permit Status: Closed

P91 **TELEDYNE CONTROLS LLC** **RCRA-SQG** **1000241004**
NNE **501 CONTINENTAL BLVD** **FINDS** **CAD981407216**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.213 mi.
1126 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
118 ft.

RCRA-SQG:
Date form received by agency: 08/03/2017
Facility name: TELEDYNE CONTROLS LLC
Facility address: 501 CONTINENTAL BLVD
EL SEGUNDO, CA 90245-5036
EPA ID: CAD981407216
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245-5036
Contact: VU M NGUYEN
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245-5036
Contact country: US
Contact telephone: 310-765-9436
Contact email: VU.NGUYEN@TELEDYNE.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: TELEDYNE CONTROLS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: 310-765-3600
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/20/2005

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Owner/Op end date: Not reported

Owner/operator name: CONTINENT PROPERTY LLC (C/O THE WONDERFUL COMPANY)
Owner/operator address: W OLYMPIC BLVD
LOS ANGELES, CA 90064
Owner/operator country: US
Owner/operator telephone: 310-966-5700
Owner/operator email: COMMENTS@WONDERFUL.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/21/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 12/16/2015
Site name: TELEDYNE CONTROLS LLC
Classification: Small Quantity Generator

Date form received by agency: 02/28/2011
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Classification: Small Quantity Generator

Date form received by agency: 08/02/2010
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

Date form received by agency: 06/02/2006
Site name: TELEDYNE CONTROLS-A BUSINESS UNIT OF TEL
Classification: Small Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 05/08/1986
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D000
. Waste name: Not Defined

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Violation Status: No violations found

FINDS:

Registry ID: 110002697261

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241004
Registry ID: 110002697261
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002697261

P92 **TELEDYNE CONTROLS LLC** **CA CERS HAZ WASTE** **S106832778**
NNE **501 CONTINENTAL BLVD** **CA EMI** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.213 mi. **CA NPDES**
1126 ft. **Site 2 of 2 in cluster P** **CA CIWQS**
CA CERS

Relative: Higher

Actual: 118 ft.

CERS HAZ WASTE:
Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 10341775
CERS Description: Hazardous Waste Generator

EMI:
Name: HUGHES AIRCRAFT CO, RADAR SYS
Address: 501 CONTINENTAL BL
City,State,Zip: EL SEGUNDO, CA 90245
Year: 1987

TELEDYNE CONTROLS LLC (Continued) **S106832778**

County Code:	19
Air Basin:	SC
Facility ID:	53311
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES AIRCRAFT CO, RADAR SYST
Address:	501 CONTINENTAL BL
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	53311
Air District Name:	SC
SIC Code:	3663
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902455036
Year:	2017
GEPAID:	CAD981407216
Contact:	VU NGUYEN
Telephone:	3109550299
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Tons:	0.025
CA Waste Code:	181-Other inorganic solid waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	TELEDYNE CONTROLS LLC

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902455036
Year: 2017
GEPAID: CAD981407216
Contact: VU NGUYEN
Telephone: 3109550299
Mailing Name: Not reported
Mailing Address: 501 CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.07
CA Waste Code: 211-Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902455036
Year: 2017
GEPAID: CAD981407216
Contact: VU NGUYEN
Telephone: 3109550299
Mailing Name: Not reported
Mailing Address: 501 CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.06
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902455036
Year: 2017
GEPAID: CAD981407216
Contact: VU NGUYEN
Telephone: 3109550299
Mailing Name: Not reported
Mailing Address: 501 CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.0675
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD

TELEDYNE CONTROLS LLC (Continued) **S106832778**

City,State,Zip:	EL SEGUNDO, CA 902455036
Year:	2016
GEPAID:	CAD981407216
Contact:	NOEL LIRA
Telephone:	3107653832
Mailing Name:	Not reported
Mailing Address:	PO BOX 1026
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Tons:	0.081
CA Waste Code:	331-Off-specification, aged or surplus organics
Method:	H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
190 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	468265
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC001775
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	501 Continental Blvd
Discharge Name:	Teledyne Controls LLC
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/04/2016
Processed Date:	01/21/2016
Status:	Active
Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC001775
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Status Date:	01/21/2016
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/04/2016
Processed Date:	01/21/2016
Status:	Active
Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE CONTROLS LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

WDID:	4 19NEC001291
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/25/2016
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	464223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/30/2015
Processed Date:	10/21/2015
Status:	Terminated
Status Date:	08/25/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Noel Lira
Operator Contact Title:	EHS Manager

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Operator Contact Phone:	310-765-3832
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	noel.lira@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Ocean
Certifier:	Noel Lira
Certifier Title:	EHS Manager
Certification Date:	30-SEP-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	464223
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/21/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016
Discharge Name:	Teledyne Controls
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Tertiary Sic: Not reported

CIWQS:

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001291
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/21/2015
Termination Date:	01/21/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.922237
Longitude:	-118.3917

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls LLC
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001775
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/21/2016
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Latitude: 33.922087
Longitude: -118.39228

CERS:
Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 10341775
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: NEC qualified. No further action required.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291. Staff met at the site with Mr. Vu Nguyen, Environmental Health and Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Legal Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 Camino Dos Rios
Affiliation City: Thousand Oaks
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (805) 373-4545

Affiliation Type Desc: Owner/Operator
Entity Name: Teledyne Controls LLC
Entity Title: Operator
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Vu Nguyen

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 1026
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	The Wonderful Company LLC
Entity Title:	Not reported
Affiliation Address:	11444 W Olympic Blvd.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90064
Affiliation Phone:	(310) 966-8600
Affiliation Type Desc:	Environmental Contact
Entity Name:	VU NGUYEN
Entity Title:	Not reported
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 765-3600

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 843641
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: NEC qualified. No further action required.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291. Staff met at the site with Mr. Vu Nguyen, Environmental Health and Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Legal Owner
Entity Name: TELEDYNE TECHNOLOGIES INC.
Entity Title: Not reported
Affiliation Address: 1049 Camino Dos Rios
Affiliation City: Thousand Oaks
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91360
Affiliation Phone: (805) 373-4545

Affiliation Type Desc: Owner/Operator
Entity Name: Teledyne Controls LLC
Entity Title: Operator
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 1026
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	The Wonderful Company LLC
Entity Title:	Not reported
Affiliation Address:	11444 W Olympic Blvd.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90064
Affiliation Phone:	(310) 966-8600
Affiliation Type Desc:	Environmental Contact
Entity Name:	VU NGUYEN
Entity Title:	Not reported
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 765-3600
Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Q93 **CA CHMIRS** **S109038236**
ENE **300 NO. CONTINENTAL BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.214 mi.
1132 ft. **Site 1 of 2 in cluster Q**

Relative: CHMIRS:
Lower

Actual: Name:	Not reported
114 ft. Address:	300 NO. CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	7-1014
OES notification:	02/14/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Storm Drain

(Continued) **S109038236**

Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Citizen/Property Manager
Incident Date:	2/14/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Paint, Water based
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Paint was spilled by an apprentice building engineer. He then attempted to clean it up by washing it down with a hose, and got it into the storm drain in doing so.

Q94 **CONTINENTAL GRAND** **CA CERS HAZ WASTE** **S113144036**
ENE **300 CONTINENTAL BLVD STE 460** **CA CERS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.214 mi.
1132 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
114 ft.

CERS HAZ WASTE:

Name:	CONTINENTAL GRAND
Address:	300 CONTINENTAL BLVD STE 460
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	411056
CERS ID:	10712323
CERS Description:	Hazardous Waste Generator

CERS:

Name:	CONTINENTAL GRAND
Address:	300 CONTINENTAL BLVD STE 460
City,State,Zip:	EL SEGUNDO, CA 90245

CONTINENTAL GRAND (Continued) **S113144036**

Site ID: 411056
CERS ID: 10712323
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 411056
Site Name: Continental Grand
Violation Date: 03-26-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 04/18/2018. Business plan has not been updated this year. The plan in CERS shall be updated. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility shall send a copy of the documentation for the used lamps and used glycol that are being accumulated at the facility.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Thomas J Hubbard II
Entity Title: Chief Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: 300 Owner LLC
Entity Title: Not reported

CONTINENTAL GRAND (Continued) **S113144036**

Affiliation Address:	300 Continental Blvd., Suite 460
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 335-0040
Affiliation Type Desc:	Parent Corporation
Entity Name:	Continental Grand
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	THOMAS HUBBARD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 345-8824
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Thomas J Hubbard II
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sara Ann Smith
Entity Title:	Not reported
Affiliation Address:	300 North Continental Blvd., Suite 460
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

CONTINENTAL GRAND (Continued) **S113144036**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	300 Continental Blvd., Suite 460
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	300 Owner LLC
Entity Title:	Not reported
Affiliation Address:	300 North Continental Blvd., Suite 460
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 334-0040

95
ESE
1/8-1/4
0.218 mi.
1150 ft.

2101 E EL SEGUNDO BLVD
EL SEGUNDO, CA

CA UST **U004301075**
N/A

Relative:
Higher

Actual:
128 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	2101 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

96
West
1/8-1/4
0.223 mi.
1175 ft.

CHEVRON USA PRODUCTS COMPANY
324 EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245

CA UST **U003782141**
N/A

Relative:
Lower

Actual:
112 ft.

UST:

Name:	CHEVRON USA PRODUCTS COMPANY
Address:	324 EL SEGUNDO BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300112
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9179101
Longitude:	-118.3979757

R97
SSW
1/8-1/4
0.231 mi.
1218 ft.

150 S. SEPULVEDA BLVD
EL SEGUNDO, CA 90212

Site 1 of 3 in cluster R

CA CHMIRS **S105659519**
N/A

Relative:
Lower

Actual:
110 ft.

CHMIRS:

Name:	Not reported
Address:	150 S. SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90212
OES Incident Number:	9-4354
OES notification:	10/13/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	El Segundo FD
Incident Date:	10/13/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Raw Sewage
Gallons:	100

(Continued) **S105659519**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Continuous leak from septic system.

S98 **CA CHMIRS** **S105632392**
WNW **1720 E. HOLLY ST** **N/A**
1/8-1/4 **ELSEGUNDO, CA**
0.234 mi.
1235 ft. **Site 1 of 2 in cluster S**

Relative: **Lower**

Actual: **106 ft.**

CHMIRS:

Name:	Not reported
Address:	1720 E. HOLLY ST
City,State,Zip:	ELSEGUNDO, CA
OES Incident Number:	798
OES notification:	Not reported
OES Date:	12/21/1994
OES Time:	07:06:28 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES

(Continued) **S105632392**

Waterway:	stormdrain
Spill Site:	Not reported
Cleanup By:	fire dept
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	el segundo fire dept
Incident Date:	12/21/94 1406
Admin Agency:	Not reported
Amount:	unknown
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	unknown ph 5 reading
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	substance came from a plating shop.cause unknown.

S99 **SPECTRUM METAL FINISHERS INC** **RCRA-SQG** **1000181882**
WNW **1720 E HOLLY AVE** **CA EMI** **CAD009661802**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.234 mi. **CA LOS ANGELES CO. HMS**
1235 ft. **Site 2 of 2 in cluster S** **CA CERS**

Relative: **Lower**

Actual: **106 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SPECTRUM METAL FINISHERS INC
Facility address:	1720 E HOLLY AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009661802
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

SPECTRUM METAL FINISHERS INC (Continued) **1000181882**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JAMES PRATT
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	08/18/1980
Site name:	SPECTRUM METAL FINISHERS INC
Classification:	Large Quantity Generator

Facility Has Received Notices of Violations:

SPECTRUM METAL FINISHERS INC (Continued) **1000181882**

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/08/1990
Date achieved compliance: 03/08/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/08/1995
Evaluation lead agency: State Contractor/Grantee

EMI:
Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AV
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 3460
Air District Name: SC
SIC Code: 3479
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:
Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAD009661802
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: 2136151030
Mailing Name: Not reported
Mailing Address: 1720 E HOLLY AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454404
Gen County: Los Angeles
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Tons: 0.1485

SPECTRUM METAL FINISHERS INC (Continued) **1000181882**

CA Waste Code: 212-Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method: H01-Transfer Station
Facility County: Los Angeles

Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAD009661802
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: 2136151030
Mailing Name: Not reported
Mailing Address: 1720 E HOLLY AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454404
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.4503
CA Waste Code: 211-Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method: R01-Recycler
Facility County: Los Angeles

Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAD009661802
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: 2136151030
Mailing Name: Not reported
Mailing Address: 1720 E HOLLY AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454404
Gen County: Los Angeles
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Tons: 1
CA Waste Code: 181-Other inorganic solid waste
Method: H01-Transfer Station
Facility County: Los Angeles

Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAD009661802
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: 2136151030
Mailing Name: Not reported
Mailing Address: 1720 E HOLLY AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454404
Gen County: Los Angeles
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Tons: 0.7714
CA Waste Code: 461-Paint sludge
Method: H01-Transfer Station
Facility County: Los Angeles

SPECTRUM METAL FINISHERS INC (Continued) **1000181882**

Name: SPECTRUM METAL FINISHERS INC
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAD009661802
Contact: UNDELIVERABLE 1996 FEES FORM
Telephone: 2136151030
Mailing Name: Not reported
Mailing Address: 1720 E HOLLY AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454404
Gen County: Los Angeles
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Tons: 0.3375
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H01-Transfer Station
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
27 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:
Name: SPECTRUM METAL FINISHERS
Address: 1720 E HOLLY AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: I
Facility Id: 008220-I08752
Facility Type: 01
Facility Status: Closed
Area: 2N
Permit Number: 000010378
Permit Status: Closed

CERS:
Name: SPECTRUM METAL FINISHERS INC
Address: 1720 EAST HOLLY AVENUE
City,State,Zip: EL SEGUNDO, CA 90245-4404
Site ID: 495641
CERS ID: 110012435178
CERS Description: US EPA Air Emission Inventory System (EIS)

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100 NNW 1/8-1/4 0.234 mi. 1237 ft. **RALPHS GROCERY #645** **CA CERS HAZ WASTE** **S113466417**
500 N. SEPULVEDA BLVD. **CA HAZNET** **N/A**
EL SEGUNDO, CA 90245 **CA CERS**

Relative: Higher
Actual: 123 ft.

CERS HAZ WASTE:
Name: RALPHS GROCERY #645
Address: 500 N. SEPULVEDA BLVD.
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146329
CERS ID: 10159971
CERS Description: Hazardous Waste Generator

RALPHS GROCERY #645 (Continued) **S113466417**

HAZNET:

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.0015
CA Waste Code:	331-Off-specification, aged or surplus organics
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.002
CA Waste Code:	311-Pharmaceutical waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.02
CA Waste Code:	311-Pharmaceutical waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

RALPHS GROCERY #645 (Continued) **S113466417**

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.002
CA Waste Code:	311-Pharmaceutical waste
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.001
CA Waste Code:	181-Other inorganic solid waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
32 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:

Name:	RALPHS GROCERY #645
Address:	500 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	146329
CERS ID:	10159971
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste",

RALPHS GROCERY #645 (Continued) **S113466417**

	name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/29/2019. 5 gallon container of Hazardous Waste Off-spec medicine located in the Pharmacy was observed without a hazardous waste label. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/05/2019. The business failed to complete and electronically submit a site map with all required content including: hazardous materials/waste storage areas. Current site map depicts hazardous materials in the "Produce Prep" room but this room did not have any hazardous materials during inspection. Complete and electronically submit a site map with all required content. Facility shall update site map and remove hazardous materials symbol from "Produce Prep" room.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 01/29/2019. A signed copy from the Treatment Storage Disposal Facility (TSDF) of the Uniform Hazardous Waste Manifests were not available at the time of inspection for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Locate a signed copy from the TSDF of all manifests and submit copies to the CUPA for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Facility was able to print out copies of signed manifests the end of inspection and copies were reviewed by CUPA. No further action required at this time.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019

RALPHS GROCERY #645 (Continued) **S113466417**

Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/10/2019. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Training records could not be located during inspection. Facility shall provide copies of annual training records to CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 1. Facility over-reported helium, facility shall revise this submittal. 2. Facility shall provide a 704 placard on the machine room door.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

RALPHS GROCERY #645 (Continued) **S113466417**

Eval Date:	10-30-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Property Owner
Entity Name:	New Group - El Segundo
Entity Title:	Not reported
Affiliation Address:	P.O Box 2107
Affiliation City:	Malibu
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90265
Affiliation Phone:	(310) 317-6754

Affiliation Type Desc:	Document Preparer
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054-0143
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Matthew Eaton
Entity Title:	Manager Environmental Affairs
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90054-0143

RALPHS GROCERY #645 (Continued) **S113466417**

Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	Operator
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Matthew Eaton
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054-0143
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

T101 **CITY OF EL SEGUNDO** **CA UST** **U003948856**
WNW **150 ILLINOIS ST.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.240 mi.
1267 ft. **Site 1 of 12 in cluster T**

Relative: UST:
Lower

Actual:
114 ft.

Name:	CITY OF EL SEGUNDO
Address:	150 ILLINOIS ST.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300071
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.91718
Longitude:	-118.3983

CITY OF EL SEGUNDO (Continued) **U003948856**

Name: CITY OF EL SEGUNDO - MAINTENANCE FACILITY
Address: 150 ILLINOIS ST
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 10 013 300071
Permitting Agency: El Segundo City Fire Department
Latitude: 33.91684
Longitude: -118.39829

EL SEGUNDO UST:
Name: CITY OF EL SEGUNDO - MAINTENANCE
Address: 150 ILLINOIS ST.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03434
Permit Number: 30-0071

Tank Number: 000007
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 07/30/2008

Tank Number: 000008
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 07/30/2008

Tank Number: 000009
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 07/30/2008

Tank Number: 000010
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 07/30/2008

Tank Number: 000011
Tank Status: Change of Information
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 07/30/2008

CITY OF EL SEGUNDO (Continued) **U003948856**

Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

Tank Number:	Not reported
Tank Status:	Open Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

T102 **CITY OF EL SEGUNDO** **CA LUST S105245837**
WNW **150 ILLINOIS ST** **CA SWEEPS UST N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.240 mi.
1267 ft. **Site 2 of 12 in cluster T**

Relative: LUST REG 4:
Lower

Actual: Region:	4	
114 ft. Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-20565	
Status:	Leak being confirmed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705310	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		7/1/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	7/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HILTON, JACK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7644.2494960799073652181337702
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported

CITY OF EL SEGUNDO (Continued) **S105245837**

Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF EL SEGUNDO
RP Address: 150 ILLINOIS STREET, EL SEGUNDO, CA 90245
Program: LUST
Lat/Long: 33.9169335 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000002
Tank Status: A

CITY OF EL SEGUNDO (Continued) **S105245837**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

CITY OF EL SEGUNDO (Continued) **S105245837**

Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000005
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CITY OF EL SEGUNDO, EQUIP MAINT
Address:	150 ILLINOIS ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

T103 **EL SEGUNDO MAINTENANCE FACILIT** **CA HIST UST** **U001562994**
WNW **150 ILLINOIS ST** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.240 mi.
1267 ft. **Site 3 of 12 in cluster T**

Relative: **Lower**

Actual: **114 ft.**

HIST UST:

Name:	EL SEGUNDO MAINTENANCE FACILIT
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000047374
Facility Type:	Other
Other Type:	MAINTENANCE FACILITY
Contact Name:	JOHN W. HILTON
Telephone:	2133223769
Owner Name:	CITY OF EL SEGUNDO
Owner Address:	350 MAIN STREET
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0006

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00009950
Tank Used for:	PRODUCT

EL SEGUNDO MAINTENANCE FACILIT (Continued) **U001562994**

Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00009950
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1982
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	1982
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	6
Year Installed:	1983
Tank Capacity:	00000402
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

T104 **EL SEGUNDO CITY** **CA CERS HAZ WASTE** **1006826713**
WNW **150 ILLINOIS ST** **CA HIST UST** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS TANKS**
0.240 mi. **FINDS**
1267 ft. **Site 4 of 12 in cluster T** **CA EMI**
CA CERS

Relative:
Lower

Actual:
114 ft.

CERS HAZ WASTE:

Name:	CITY OF EL SEGUNDO - MAINTENANCE FACILITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	390054
CERS ID:	10424827
CERS Description:	Hazardous Waste Generator

HIST UST:

Name:	EL SEGUNDO MAINTENANCE FACILIT
Address:	150 ILLINOIS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00026FEB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026FEB.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CERS TANKS:

Name:	CITY OF EL SEGUNDO - MAINTENANCE FACILITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	390054
CERS ID:	10424827
CERS Description:	Underground Storage Tank

FINDS:

Registry ID: 110013858511

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

EL SEGUNDO CITY (Continued) **1006826713**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:

Name:	EL SEGUNDO CITY, CORP YARD
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	4463
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

EL SEGUNDO CITY (Continued) **1006826713**

Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199

EL SEGUNDO CITY (Continued) **1006826713**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA
Year:	2001
County Code:	19
Air Basin:	SC

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Facility ID:	36029
Air District Name:	SC
SIC Code:	9199
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	EL SEGUNDO CITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245-4352
Site ID:	466160
CERS ID:	110013858511
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	CITY OF EL SEGUNDO - MAINTENANCE FACILITY
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	390054
CERS ID:	10424827
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	04-01-2014
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 04/09/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	03-20-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 06/06/2019. Owner/Operator did not submit and/or maintain a complete and/or accurate UST Operating Permit Application. The most recent UST Operating Permit Application was observed with the following errors: (a) All USTs (UST #1-#5) are being reported in CERS as having audible/visual alarms, ball floats, and fill-tube shut off valves for overfill prevention equipment. However, UST#1-#3 was observed with only fill-tube shut off valves and UST #4-#5 do not have any overfill prevention equipment. (b) UST #4 and

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UST #5 are listed as having secondary containment on vent, vapor recovery pipes but secondary containment was not present during inspection. Submit and/or maintain a complete and/or accurate UST Operating Permit Application, including for permit renewal. Facility shall update UST Operating Permit Application, in CERS, to include: only fill-tube shut off valves for overfill prevention equipment in UST # 1- #3; exemption status for overfill pr... [TRUNCATED: Refer to full Inspection Report]

Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 06-06-2019
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 07/29/2019. Title 23, Section 2716 (e)- requires the UST Owner/Operator acknowledge the identified compliance issues on a Monthly DO Inspection Report by signing the DO Inspection Report. None of the Monthly DO Inspection Reports from October 2018 through March 2019 were observed with the UST Owner/Operator signature. This is a repeat violation that was initially observed and noted during a routine inspection on 3/20/19. Moving forward the UST Owner/Operator shall sign and fill out Sections V and VI of Appendix XIII (Monthly DO Inspection Reports) within 48 hours of receiving the DO Inspection Report. The facility shall provide a signed copy of the Monthly DO Inspection Report for the month of April 2019 to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 04-01-2014
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 04/08/2014. Repaired T-2 Fill and Supply lines (3) 2 for unleaded and 1 diesel. Oil sump repair for blueline boots.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 06-06-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow

EL SEGUNDO CITY (Continued) **1006826713**

to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 07/29/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. UST#4 (Motor Oil) was observed without any form of overfill prevention equipment. UST#4 is used to store motor oil and deliveries of motor oil consist 100 to 500 gallons of motor oil at one time. This is a repeat violation that was initially observed and noted during a routine inspection on 3/20/19. The facility shall install overfill prevention equipment on UST#4. The installation of the overfill prevention equipment will be made under a UST Construction Permit from the ESFD. Once installation is completed, testing of the overfill prevention equipment shall be witnessed by the ESFD.

Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 03-20-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after

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October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.

Violation Notes: Returned to compliance on 06/06/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. UST#4 (Motor Oil) was observed without any form of overfill prevention equipment. UST#4 is used to store motor oil and deliveries of motor oil consist 100 to 500 gallons of motor oil at one time. The facility shall install overfill prevention equipment on UST#4. The installation of the overfill prevention equipment will be made under a UST Construction Permit from the ESFD. Once installation is completed, testing of the overfill prevention equipment shall be witnessed by the ESFD.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 03-20-2019
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 06/06/2019. Title 23, Section 2716 (e)- requires the UST Owner/Operator acknowledge the identified compliance issues on a Monthly DO Inspection Report by signing the DO Inspection Report. None of the Monthly DO Inspection Reports from October 2018 through March 2019 were observed with the UST Owner/Operator signature. Moving forward the UST Owner/Operator shall sign and fill out Sections V and VI of Appendix XIII (Monthly DO Inspection Reports) within 48 hours of receiving the DO Inspection Report. The facility shall provide a signed copy of the Monthly DO Inspection Report for the month of April 2019 to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 03-20-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the ?Designated Underground Storage Tank Operator Identification Form? within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 06/06/2019. Owner/Operator did not submit the ?Designated Underground Storage Tank Operator Identification Form? to the UPA within 30 days of obtaining or changing the DO. The current ?Designated Underground Storage Tank Operator Identification Form? in CERS lists DO with ICC Certification expiration dates of 8/12/17 and

EL SEGUNDO CITY (Continued) **1006826713**

	11/9/17. Submit ?Designated Underground Storage Tank Operator Identification Form? to the UPA and in CERS within 30 days of a change. The facility shall upload Appendix XI.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	11-06-2017
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Returned to compliance on 12/29/2017. Provide a readily available business plan to personnel of the business or the unified program facility with responsibilities for emergency response or training. Facility was not able to provide Business Emergency Plan nor access to CERS
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	12-14-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 03/27/2018. EPA ID Number for this location is not active. facility needs to reactivate EPA ID number by contacting DTSC and provide the CUPA verification of active status
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	11-06-2017
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 04/24/2018. Dispose of contaminated debris in black 55 gal metal drum and provide copy of hazardous waste manifest to the CUPA.
Violation Division:	El Segundo City Fire Department

EL SEGUNDO CITY (Continued) **1006826713**

Violation Program:	HW
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	04-07-2015
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 04/09/2016. The line leak detection is not working for all piping (87 octane, 91 octane and diesel)
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	04-01-2014
Citation:	HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description:	Failure to report program data electronically.
Violation Notes:	Returned to compliance on 04/07/2016. Failed to submit data electronically in an adequate format.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	04-07-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/09/2016. The Financial Responsibility is outdated.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	12-14-2017
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount

EL SEGUNDO CITY (Continued) **1006826713**

	greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 04/24/2018. Owner/Operator is a small quantity generator and failed to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. dispose of hazardous waste and provide copy of manifest to the CUPA
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	09-15-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/12/2016. Please submit inventory in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	03-20-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 06/06/2019. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Current proof of financial responsibility, insurance coverage, provided in CERS has an expiration date of 12/13/18. Complete and submit a copy of the financial responsibility, in CERS, by 4/19/19.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	04-07-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 04/09/2016. The submitted plot plan has not been corrected to show pipe runs and detector locations.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility

EL SEGUNDO CITY (Continued) **1006826713**

Violation Date:	03-26-2018
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 06/04/2018. Owner/Operator did not comply with all operating permit requirements. Comply with all operating permit requirements. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	11-06-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/14/2017. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled. A 55 gal black hazardous waste drum holding contaminated debris did not display hazardous waste label. Unable to see accumulation start dates
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	03-22-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/29/2017. Financial responsibility is not current. This facility has 30 days to submit current financial responsibility.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	390054
Site Name:	City Of El Segundo - Maintenance Facility
Violation Date:	03-26-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 06/04/2018. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Complete and submit a copy of the financial responsibility by [date, 30 days from now].

EL SEGUNDO CITY (Continued) **1006826713**

Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 390054
Site Name: City Of El Segundo - Maintenance Facility
Violation Date: 11-06-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 03/27/2018. Submit documentation to the CUPA demonstrating that you have obtained an active EPA ID number.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility has 30 days to submit current financial responsibility.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2018

EL SEGUNDO CITY (Continued) **1006826713**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The monitoring system certification was witnessed by Victor Morales, Environmental Safety Manager on 4/21/18.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-01-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Annual Monitor Certification and SB 989
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-01-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Monitor Certification Oversight Inspection
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-07-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Financial Responsibility is not current, Monitoring Plan and Plot plan need to be updated in CERS
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-09-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-06-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-29-2019
Violations Found:	No

EL SEGUNDO CITY (Continued) **1006826713**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness the installation and testing of overfill prevention equipment (flapper valve) on UST #4 that stores Motor Oil. Flapper valve passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed hydrostatic test of Generator piping transition pump after repairs. Sump tested ok.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-15-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Drum of oil absorbant, several cans of paint, 40 gallon drum of weed spray in hazmat room on back end of building. Paint room stores many cans of paint and a few small cans of diesel. There is one drum of coolant and one drum of waste coolant on garage floor. In the oil room there is about 15 drums of coolant and diesel.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	390054
Facility Name:	City Of El Segundo - Maintenance Facility
Env Int Type Code:	HMBP
Program ID:	10424827
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.916840
Longitude:	-118.398290

Affiliation:

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	CITY OF EL SEGUNDO
Entity Title:	Not reported
Affiliation Address:	350 MAIN STREET
Affiliation City:	EL SEGUNDO

EL SEGUNDO CITY (Continued) **1006826713**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2300
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jorge Prado
Entity Title:	Not reported
Affiliation Address:	150 Illinois St.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	150 Illinois St.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	City of El Segundo
Entity Title:	Not reported
Affiliation Address:	350 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2709
Affiliation Type Desc:	Operator
Entity Name:	Jorge Prado
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 696-6438
Affiliation Type Desc:	Property Owner
Entity Name:	CITY OF EL SEGUNDO

EL SEGUNDO CITY (Continued) **1006826713**

Entity Title:	Not reported
Affiliation Address:	350 MAIN STREET
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 696-6438
Affiliation Type Desc:	Parent Corporation
Entity Name:	City Of El Segundo - Maintenance Facility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	City of El Segundo
Entity Title:	Not reported
Affiliation Address:	350 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2300
Affiliation Type Desc:	UST Tank Owner
Entity Name:	City of El Segundo
Entity Title:	Not reported
Affiliation Address:	350 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	960245
Affiliation Phone:	(310) 524-2300
Affiliation Type Desc:	Document Preparer
Entity Name:	Jorge Prado
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jorge Prado
Entity Title:	Facilities Maintenance Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

T105 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602719**
WNW **150 ILLINOIS STREET** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.240 mi.
1267 ft. **Site 5 of 12 in cluster T**

Relative: **Lower**

Actual: **114 ft.**

RGA LUST:
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS STREET
City: EL SEGUNDO
State: EL SEGUNDO
1994 CITY OF EL SEGUNDO 150 ILLINOIS STREET
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS STREET
City: EL SEGUNDO
State: EL SEGUNDO
1993 CITY OF EL SEGUNDO 150 ILLINOIS STREET

T106 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602717**
WNW **150 ILLINOIS ST** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.240 mi.
1267 ft. **Site 6 of 12 in cluster T**

Relative: **Lower**

Actual: **114 ft.**

RGA LUST:
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2012 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2011 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2010 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2009 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2008 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2007 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2006 CITY OF EL SEGUNDO 150 ILLINOIS ST

CITY OF EL SEGUNDO (Continued) **S114602717**

Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2005 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2003 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2002 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2001 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
2000 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
1998 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
1997 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
1996 CITY OF EL SEGUNDO 150 ILLINOIS ST
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City: EL SEGUNDO
State: EL SEGUNDO
1995 CITY OF EL SEGUNDO 150 ILLINOIS ST

T107 **BERGAN BRUNSWICK** **CA LUST** **S100224384**
WNW **150 ILLINOIS** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.240 mi. **CA CERS**
1267 ft. **Site 7 of 12 in cluster T**

Relative: LUST:
Lower
Name: CITY OF EL SEGUNDO
Actual: Address: 150 ILLINOIS ST
114 ft. City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site

BERGAN BRUNSWICK (Continued) **S100224384**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705310
Global Id:	T0603705310
Latitude:	33.9171671
Longitude:	-118.3982757
Status:	Completed - Case Closed
Status Date:	07/26/2006
Case Worker:	SHT
RB Case Number:	R-20565
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603705310
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705310
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603705310
Action Type:	Other
Date:	07/01/1986
Action:	Leak Reported

LUST:

Global Id:	T0603705310
Status:	Open - Case Begin Date
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Open - Site Assessment
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Completed - Case Closed
Status Date:	07/26/2006

CHMIRS:

Name:	Not reported

BERGAN BRUNSWICK (Continued) **S100224384**

Address:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245-4311
OES Incident Number:	991567
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**30-SEP-88**
Property Use:	600
Agency Id Number:	19065
Agency Incident Number:	13696
Time Notified:	1323
Time Completed:	1448
Surrounding Area:	700
Estimated Temperature:	80
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	10
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	O'BRIEN
Report Date:	30-SEP-88
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	30-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported

BERGAN BRUNSWICK (Continued) **S100224384**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

HIST CORTESE:

edr_fname:	CITY OF EL SEGUNDO
edr_fadd1:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-20565

edr_fname:	BERGAN BRUNSWICK
edr_fadd1:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	263

CERS:

Name:	CITY OF EL SEGUNDO
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	207825
CERS ID:	T0603705310
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

T108 **BUSS SYS INC** **CA CHMIRS** **S105885038**
WNW **202 ILLINOIS** **CA EMI** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.242 mi.
1277 ft. **Site 8 of 12 in cluster T**

Relative: **Lower**

Actual: **112 ft.**

CHMIRS:

Name:	Not reported
Address:	202 ILLINOIS ST.
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	2-3793
OES notification:	07/12/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Southern California Edison
Incident Date:	7/12/200212:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Transformer Oil, non-PCB
Gallons:	30

BUSS SYS INC (Continued) **S105885038**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A vehicle hit a pole with a transformer mounted on it.

EMI:

Name:	BUSS SYS INC
Address:	202 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	56222
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

T109 **RCRA-LQG 1007198796**
WNW **1700 E GRAND AVE** **CA HAZNET CAD028131761**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.243 mi.
1282 ft. **Site 9 of 12 in cluster T**

Relative:
Lower

Actual:
115 ft.

RCRA-LQG:

Date form received by agency:	03/19/1990
Facility name:	Not reported
Facility address:	1700 E GRAND AVE EL SEGUNDO, CA 90245
EPA ID:	CAD028131761
Contact:	CLAYTON C GORBET
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	213-772-6251

(Continued) **1007198796**

Telephone ext.: 268
Contact email: Not reported
EPA Region: Not reported
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HAZNET:
Name: AIRITE A DOVER SARGENT CO
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAD028131761
Contact: UNDELIVERABLE PER FEES 6/94
Telephone: --
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT080011059
TSD County: Los Angeles
Tons: 0.5
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: R01-Recycler
Facility County: Los Angeles

Name: AIRITE A DOVER SARGENT CO
Address: 1700 E GRAND AVE

(Continued) **1007198796**

City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAD028131761
Contact: UNDELIVERABLE PER FEES 6/94
Telephone: --
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT080011059
TSD County: Los Angeles
Tons: 0.0225
CA Waste Code: 214-Unspecified solvent mixture
Method: -
Facility County: Los Angeles

Name: AIRITE A DOVER SARGENT CO
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAD028131761
Contact: UNDELIVERABLE PER FEES 6/94
Telephone: --
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT080010101
TSD County: San Diego
Tons: 0.0416
CA Waste Code: 551-Laboratory waste chemicals
Method: T01-Treatment, Tank
Facility County: Los Angeles

Name: AIRITE A DOVER SARGENT CO
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAD028131761
Contact: UNDELIVERABLE PER FEES 6/94
Telephone: --
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAT080010101
TSD County: San Diego
Tons: 0.0208
CA Waste Code: 724-Liquids with lead >= 500 Mg./L
Method: T01-Treatment, Tank
Facility County: Los Angeles

Name: AIRITE A DOVER SARGENT CO
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1993
GEPAID: CAD028131761

(Continued) **1007198796**

Contact:	UNDELIVERABLE PER FEES 6/94
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1700 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080011059
TSD County:	Los Angeles
Tons:	0.55
CA Waste Code:	223-Unspecified oil-containing waste
Method:	R01-Recycler
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
48 additional CA_HAZNET: record(s) in the EDR Site Report.

T110 **SPIN FORGE A DIV OF DMC** **RCRA-SQG** **1001217617**
WNW **1700 E GRAND AVE** **FINDS** **CAR000038240**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.243 mi. **CA HAZNET**
1282 ft. **Site 10 of 12 in cluster T** **CA WDS**

Relative:
Lower

Actual:
115 ft.

RCRA-SQG:

Date form received by agency:	04/03/1998
Facility name:	SPIN FORGE A DIV OF DMC
Facility address:	1700 E GRAND AVE EL SEGUNDO, CA 90245-4378
EPA ID:	CAR000038240
Contact:	CLAY GORBET
Contact address:	1700 E GRAND AVE EL SEGUNDO, CA 90245-4378
Contact country:	US
Contact telephone:	310-640-8099
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DYNAMIC MATERIALS CORP
Owner/operator address:	551 ASPEN RIDGE DR LAFAYETTE, CO 80026
Owner/operator country:	Not reported
Owner/operator telephone:	303-665-5700
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

SPIN FORGE A DIV OF DMC (Continued) **1001217617**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D006
. Waste name: CADMIUM

Violation Status: No violations found

FINDS:

Registry ID: 110009553287

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001217617
Registry ID: 110009553287
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009553287

HAZNET:
Name: SPIN FORGE A DIV OF DMC
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902454378
Year: 2006
GEPAID: CAR000038240
Contact: MR ROBERT MCLEMORE, DIR ENGR'G
Telephone: 3106408099

SPIN FORGE A DIV OF DMC (Continued) **1001217617**

Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454378
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.00834
CA Waste Code: 141-Off-specification, aged or surplus inorganics
Method: T03-Treatment, Incineration
Facility County: Los Angeles

Name: SPIN FORGE A DIV OF DMC
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902454378
Year: 2006
GEPAID: CAR000038240
Contact: MR ROBERT MCLEMORE, DIR ENGR'G
Telephone: 3106408099
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454378
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.8428
CA Waste Code: 343-Unspecified organic liquid mixture
Method: D80-Disposal, Land Fill
Facility County: Los Angeles

Name: SPIN FORGE A DIV OF DMC
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902454378
Year: 2006
GEPAID: CAR000038240
Contact: MR ROBERT MCLEMORE, DIR ENGR'G
Telephone: 3106408099
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454378
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.09174
CA Waste Code: 141-Off-specification, aged or surplus inorganics
Method: R01-Recycler
Facility County: Los Angeles

Name: SPIN FORGE A DIV OF DMC
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902454378
Year: 2004
GEPAID: CAR000038240
Contact: MR ROBERT MCLEMORE, DIR ENGR'G
Telephone: 3106408099
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454378

SPIN FORGE A DIV OF DMC (Continued) **1001217617**

Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 5.51
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Los Angeles

Name: SPIN FORGE A DIV OF DMC
Address: 1700 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902454378
Year: 2003
GEPAID: CAR000038240
Contact: MR ROBERT MCLEMORE, DIR ENGR'G
Telephone: 3106408099
Mailing Name: Not reported
Mailing Address: 1700 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 902454378
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 29.83
CA Waste Code: 221-Waste oil and mixed oil
Method: R01-Recycler
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
29 additional CA_HAZNET: record(s) in the EDR Site Report.

WDS:
Name: SPIN FORGE A DIV OF DMC
Address: 1700 E Grand Ave
City: EL SEGUNDO
Facility ID: 4 19I013934
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3106408099
Facility Contact: CLAY GORBET
Agency Name: DYNAMIC MATERIALS CORP
Agency Address: 5405 Spine Rd
Agency City,St,Zip: Boulder 803013389
Agency Contact: RICK SANTA
Agency Telephone: 3036043925
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported

SPIN FORGE A DIV OF DMC (Continued) **1001217617**

Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

T111 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724448**
WNW **1700 EAST GRAND AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.243 mi.
1282 ft. **Site 11 of 12 in cluster T**

Relative: RGA LF:
Lower

Actual: Name: A AND A WASTE ROLL OFF SERVICES, INC.
115 ft. Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2008 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2007 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2006 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2005 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2004 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND

A AND A WASTE ROLL OFF SERVICES, INC. (Continued) **S114724448**

AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2003 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2002 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
City: EL SEGUNDO
State: EL SEGUNDO
2001 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE

T112 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724449**
WNW **1700 EAST GRAND AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.243 mi.
1282 ft. **Site 12 of 12 in cluster T**

Relative: RGA LF:
Lower Name: A AND A WASTE ROLL OFF SERVICES, INC.
Address: 1700 EAST GRAND AVENUE
Actual: City: EL SEGUNDO
115 ft. State: EL SEGUNDO
2009 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE

R113 **ALLIED SALES & SALVAGE** **CA ENVIROSTOR** **S105023637**
SSW **160 SEPULVEDA** **CA HIST CORTESE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.246 mi.
1301 ft. **Site 2 of 3 in cluster R**

Relative: ENVIROSTOR:
Lower Name: ALLIED SALES & SALVAGE
Address: 160 SOUTH SEPULVEDA BOULEVARD
Actual: City,State,Zip: EL SEGUNDO, CA 90245
110 ft. Facility ID: 19500011
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 62

ALLIED SALES & SALVAGE (Continued) **S105023637**

Senate: 26
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91447
Longitude: -118.3954
APN: 4138014016
Past Use: NONE SPECIFIED
Potential COC: * CONTAMINATED SOIL * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 4138014016
Alias Type: APN
Alias Name: CAD063821789
Alias Type: EPA Identification Number
Alias Name: 19500011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/13/1981
Comments: Facility identified via Abandoned Chemical Waste Disposal Survey. Questionnaire received. Years of Operation: 1957 to present.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: Site Screening Done: DHS will concur with EPA recommendation of NFA due to the minimal quantity of oil disposed of and the fact that the stained areas have been cleaned up. Site will be referred to Los Angeles County Health Dept. Site removed from Cortese.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/02/1987
Comments: Site Screening Done: Evidence of a small amount of onsite disposal found.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ALLIED SALES & SALVAGE (Continued) **S105023637**

HIST CORTESE:

edr_fname:	ALLIED SALES & SALVAGE
edr_fadd1:	160 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19500011

R114 **ALLIED SALES & SALVAGE** **SEMS-ARCHIVE** **1003878356**
SSW **160 S SEPULVEDA BLVD** **CAD063821789**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.246 mi.
1301 ft. **Site 3 of 3 in cluster R**

Relative:
Lower

Actual:
110 ft.

SEMS Archive:

Site ID:	0901503
EPA ID:	CAD063821789
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901503
EPA ID:	CAD063821789
Site Name:	ALLIED SALES & SALVAGE
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-06-01 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901503
EPA ID:	CAD063821789
Site Name:	ALLIED SALES & SALVAGE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901503
EPA ID:	CAD063821789

ALLIED SALES & SALVAGE (Continued) **1003878356**

Site Name:	ALLIED SALES & SALVAGE
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-05-01 04:00:00
Finish Date:	1986-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	09
Site ID:	0901503
EPA ID:	CAD063821789
Site Name:	ALLIED SALES & SALVAGE
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-05-01 04:00:00
Finish Date:	1987-01-01 05:00:00
Qual:	L
Current Action Lead:	St Perf

115
WSW
1/4-1/2
0.262 mi.
1386 ft.

WEST COAST BARRIER PROJ 9
EL SEGUNDO BLVD
EL SEGUNDO, CA 90245

CA CPS-SLIC **S105640109**
CA CHMIRS **N/A**
CA WDS
CA CERS

Relative:
Lower

Actual:
96 ft.

CPS-SLIC:

Name:	DOD - LAAFB BLDG 241
Address:	EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 0
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/30/2002
Global Id:	SL599992902
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9164
Longitude:	-118.377551
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0038B
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

CHMIRS:

Name:	Not reported
Address:	EL SEGUNDO BLVD & ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	08658
OES notification:	Not reported
OES Date:	6/13/1995
OES Time:	07:39:15 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	NONE REQUIRED
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	WEST BASIN WATER RECLAMATION DIST
Incident Date:	1815 6/13/95
Admin Agency:	Not reported
Amount:	500 GAL
Contained:	NO
Site Type:	RD
E Date:	Not reported
Substance:	RECLAIMED WATER
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	SUMP OVERFLOWED

WDS:

Name:	WEST COAST BARRIER PROJ 9
Address:	El Segundo Blvd
City:	EL SEGUNDO
Facility ID:	Los Angeles River 196000415
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAG994005 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	6264586303
Facility Contact:	Ed Gerlits
Agency Name:	LA CO DEPT OF PUBLIC WORKS
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	County
SIC Code:	9999
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	MISCEL
Waste Type2:	Not reported
Waste2:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	0
Complexity:	Not reported

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

CERS:
Name: DOD - LAAFB BLDG 241
Address: EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 0
Site ID: 247735
CERS ID: SL599992902
CERS Description: Cleanup Program Site

116
WNW
1/4-1/2
0.328 mi.
1734 ft.

Relative:
Higher

Actual:
120 ft.

INERNATIONAL RECTIFIER
1521 GRAND AVE
EL SEGUNDO, CA 90245

SEMS-ARCHIVE **1000216983**
RCRA-LQG **CAD076208313**
CA LUST
CA SWEEPS UST
CA HIST UST
US AIRS
FINDS
ECHO
CA HIST CORTESE
WI MANIFEST

SEMS Archive:
Site ID: 0905276
EPA ID: CAD076208313
Cong District: 27
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0905276
EPA ID: CAD076208313
Site Name: INTERNATIONAL RECTIFIER
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-09-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0905276
EPA ID: CAD076208313
Site Name: INTERNATIONAL RECTIFIER
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1996-09-24 04:00:00
Qual: N
Current Action Lead: St Perf

INERNATIONAL RECTIFIER (Continued) **1000216983**

Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1995-08-23 04:00:00
Finish Date:	1995-08-23 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf

RCRA-LQG:

Date form received by agency:	04/17/2008
Facility name:	INTERNATIONAL RECTIFIER
Facility address:	233 KANSAS STREET EL SEGUNDO, CA 90245
EPA ID:	CAD076208313
Contact:	DIANE E NIX
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	310-726-8291
Contact email:	DNIX1@IRF.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	INTERNATIONAL RECTFIER
Owner/operator address:	233 KANSAS STREET EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1948
Owner/Op end date:	Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Owner/operator name: INTERNATIONAL RECTIFIER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1948
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/06/2007
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 02/28/2006
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: INTERNATIONAL RECTIFIER CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996

INERNATIONAL RECTIFIER (Continued) **1000216983**

Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1996
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 02/14/1992
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

INERNATIONAL RECTIFIER (Continued) **1000216983**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Violation Status: No violations found

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	908130489	
Status:	Remedial action (cleanup) Underway	
Substance:	Waste Water	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701959	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19060	
Cross Street:	CASPIAN	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/27/1990	
Date Leak First Reported:		6/6/1990
Date Leak Record Entered:	6/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/27/1990	
Date Case Last Changed on Database:		6/6/1990
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	Other Source	
Operator:	OLD CASE #960119-01	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15746.384384197494096821245649
Source of Cleanup Funding:		Other Source
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		2/27/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	

INERNATIONAL RECTIFIER (Continued) **1000216983**

Owner Contact: Not reported
Responsible Party: PRINT L.A. INC.
RP Address: 1520 16TH ST., W., LONG BEACH, 90813
Program: LUST
Lat/Long: 33.7870927 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO

INERNATIONAL RECTIFIER (Continued) **1000216983**

Status:	Active
Comp Number:	10118
Number:	9
Board Of Equalization:	44-008713
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010118-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

Name:	INTERNATIONAL RECTIFIER
Address:	330 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000019020
Facility Type:	Other
Other Type:	SEMICONDUCTOR
Contact Name:	ROBERT H. SMITH
Telephone:	2133223331
Owner Name:	INTERNATIONAL RECTIFIER
Owner Address:	233 KANSAS ST.
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0003
Tank Num:	001
Container Num:	5755
Year Installed:	1980
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Visual
Tank Num:	002
Container Num:	5754
Year Installed:	1980
Tank Capacity:	00006000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	10
Tank Num:	003
Container Num:	5753
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT

INERNATIONAL RECTIFIER (Continued) **1000216983**

Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119

INERNATIONAL RECTIFIER (Continued) **1000216983**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119

INERNATIONAL RECTIFIER (Continued) **1000216983**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Date: 1983-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119

INERNATIONAL RECTIFIER (Continued) **1000216983**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110064159119

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

INERNATIONAL RECTIFIER (Continued) **1000216983**

AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000216983
Registry ID:	110064159119
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064159119

HIST CORTESE:

edr_fname:	PRINT L.A. INC
edr_fadd1:	1520 016TH
City,State,Zip:	LONG BEACH, CA 90813
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130489

WI MANIFEST:

Name:	INTERNATIONAL RECTFIER
Address:	233 KANSAS STREET
City,State,Zip:	IL SEGUNDO, CA 90245
Year:	2006
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Name:	INTERNATIONAL RECTFIER
Address:	233 KANSAS STREET
City,State,Zip:	IL SEGUNDO, CA 90245
Year:	2005
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

U117 **NORTHROP CORP AIRCRAFT DIV** **RCRA-TSDF** **1000409965**
NNE **2031 E MARIPOSA AVE** **RCRA NonGen / NLR** **CAD009687336**
1/4-1/2 **EL SEGUNDO, CA 90245** **FINDS**
0.336 mi. **ECHO**
1772 ft. **Site 1 of 3 in cluster U**

Relative:
Lower

Actual:
107 ft.

RCRA-TSDF:

Date form received by agency:	09/24/1998
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2031 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009687336
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	MARY ELAINE PALACIO
Contact address:	ONE HORNET WY EL SEGUNDO, CA 90245-2804
Contact country:	US
Contact telephone:	310-332-4114
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/09/1993
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 04/30/1990
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/26/1987
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/13/1987
Date achieved compliance: 08/03/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Evaluation Action Summary:

Evaluation date:	06/26/1987
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Generators - General
Date achieved compliance:	09/15/1988
Evaluation lead agency:	State
Evaluation date:	01/13/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Closure/Post-Closure
Date achieved compliance:	08/03/1987
Evaluation lead agency:	State

RCRA NonGen / NLR:

Date form received by agency:	09/24/1998
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2031 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009687336
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	MARY ELAINE PALACIO
Contact address:	ONE HORNET WY EL SEGUNDO, CA 90245-2804
Contact country:	US
Contact telephone:	310-332-4114
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/09/1993
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 04/30/1990
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/26/1987
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/13/1987
Date achieved compliance: 08/03/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Enforcement action date: 02/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/26/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 01/13/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/03/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110008261139

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000409965
Registry ID: 110008261139
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008261139

U118 **MATTEL TOYS INC** **RCRA-LQG** **1000472823**
NNE **2031 MARIPOSA** **CA CERS HAZ WASTE** **CAD982433401**
1/4-1/2 **EL SEGUNDO, CA 90245** **FINDS**
0.336 mi. **ECHO**
1772 ft. **Site 2 of 3 in cluster U** **CA HWP**
CA NPDES
Relative: **CA WDS**
Lower **CA CIWQS**
Actual: **CA CERS**
107 ft.

RCRA-LQG:
Date form received by agency: 02/24/2010
Facility name: MATTELL INC.
Facility address: 2031 MARIPOSA AVENUE
EL SEGUNDO, CA 90245

MATTEL TOYS INC (Continued) **1000472823**

EPA ID:	CAD982433401
Mailing address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245
Contact:	NAVREET UPPAL
Contact address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-252-3526
Contact email:	NAVREET.UPPAL@MATTEL.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	KILROY INDUSTRIES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MATTEL INC.
Owner/operator address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	310-252-2000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1991
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212

MATTEL TOYS INC (Continued) **1000472823**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-252-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1991
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Small Quantity Generator

Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Large Quantity Generator

MATTEL TOYS INC (Continued) **1000472823**

Date form received by agency: 10/12/2000
Site name: MATTEL DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: MATTEL, INC.
Classification: Large Quantity Generator

Date form received by agency: 12/05/1990
Site name: MATTEL TOYS DESIGN CENTER
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

MATTEL TOYS INC (Continued) **1000472823**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159

MATTEL TOYS INC (Continued) **1000472823**

. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 09/24/2015
Date achieved compliance: 09/25/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/24/2015
Date achieved compliance: 09/25/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 09/24/2015
Date achieved compliance: 09/24/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 09/25/2015
Evaluation lead agency: EPA

Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 09/24/2015

MATTEL TOYS INC (Continued) **1000472823**

Evaluation lead agency: EPA

Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/25/2015
Evaluation lead agency: EPA

CERS HAZ WASTE:
Name: MATTEL HANDLER TEAM CENTER
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47142
CERS ID: 10593142
CERS Description: Hazardous Waste Generator

FINDS:

Registry ID: 110000784982

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000472823
Registry ID: 110000784982
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000784982

HWP:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
EPA Id: CAD009687336
Cleanup Status: PROTECTIVE FILER

MATTEL TOYS INC (Continued) **1000472823**

Latitude:	33.92483
Longitude:	-118.3908
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	53
Senate District:	24
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	07/21/1988

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	06/25/1984

NPDES:

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I002527
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/01/1992
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

MATTEL TOYS INC (Continued) **1000472823**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188987
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS

MATTEL TOYS INC (Continued) **1000472823**

Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188987
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I002527
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Termination Date Of Regulatory Measure:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	333 Continental Blvd M1 0530
Discharge Name:	Mattel Toys
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188987
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9

MATTEL TOYS INC (Continued) **1000472823**

Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS
Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles

WDS:

Name:	MATTEL TOYS DESIGN CENTER
Address:	2031 E Mariposa Ave

MATTEL TOYS INC (Continued) **1000472823**

City:	EL SEGUNDO
Facility ID:	4 19I002527
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3102523570
Facility Contact:	TOM BOXWELL
Agency Name:	MATTEL TOYS INC.
Agency Address:	333 Continental Blvd.
Agency City,St,Zip:	El Segundo 902455012
Agency Contact:	TOM BOXWELL
Agency Telephone:	3102523570
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Mattel Toys
Agency Address:	333 Continental Blvd M1 0530, El Segundo, CA 90245
Place/Project Type:	Industrial - Dolls and Stuffed Toys
SIC/NAICS:	3942(+)
Region:	4
Program:	INDSTW

MATTEL TOYS INC (Continued) **1000472823**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002527
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/01/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.92363
Longitude:	-118.39088

CERS:

Name:	MATTEL HANDLER TEAM CENTER
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47142
CERS ID:	10593142
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/19/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	The facility is not maintaining the final copy of most of the manifests that were shipped in 2017. A final copy must be obtained

MATTEL TOYS INC (Continued) **1000472823**

within 30 days or an Exception Report sent to the DTSC. Locate a copy of all manifests for 001188031, 010416609, 010978266, 010394531, 010392422 and submit copies to the CUPA.

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: The facility is working with metals in the grinding room and may be generating toxic metal fines. Please have a State Certified laboratory run a CAM 17 minus mercury on the material being collected in the collection unit. Send a copy of the test results to ESFD to determine if the waste is toxic and must be managed a hazardous waste. The facility has not made a waste determination for the dust collected in the metal grinding room.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: One of the drums was not screwed to the drum tightly and the lid would not latch to the funnel due to damage. All funnels shall be connected to the drum securely and the lids clamped closed.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100

MATTEL TOYS INC (Continued) **1000472823**

	percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/19/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	10-29-2014
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/08/2014. HMBEP was submitted under wrong address.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain

MATTEL TOYS INC (Continued) **1000472823**

training records for a minimum of three years.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility must submit HMBEP into CERs under this address by 11/14/14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 47142
Facility Name: Mattel Handler Team Center
Env Int Type Code: HWG

MATTEL TOYS INC (Continued) **1000472823**

Program ID: 10593142
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.924840
Longitude: -118.390890

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Toni Powell
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2031 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Affiliation Type Desc: Legal Owner
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Parent Corporation
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Site ID: 215019
CERS ID: CAD009687336
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: DEACT PER 11/94 SURVEY - P. H.
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: --

Affiliation Type Desc: Facility Owner
Entity Name: NORTHROP CORPORATION
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 0000000000

MATTEL TOYS INC (Continued) **1000472823**

Name: NORTHROP CORP-AIRCRA
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Site ID: 371415
CERS ID: 80001646
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: MATTEL TOYS DESIGN CTR
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 536520
CERS ID: 242522
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 536520
Site Name: Mattel Toys Design Ctr
Violation Date: 05-25-2004
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 5/25/04 NOT Inspection: Rusting trash bins, office furniture, miscellaneous debris, rusting drums exposed to rain water.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 536520
Site Name: Mattel Toys Design Ctr
Violation Date: 02-05-2009
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 0.203 & 0.215 mg/L of Zn were detected at the sample locations, DC Sample Point & Warehouse Sample Point, respectively, on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

MATTEL TOYS INC (Continued) **1000472823**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-12-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2001
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Enforcement Action:

Site ID:	536520
Site Name:	Mattel Toys Design Ctr
Site Address:	2031 E MARIPOSA AVE
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	05-28-2004
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Denial of NOT letter sent 5/28/04 because facility was not in compliance with industrial stormwater permit.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	536520
Site Name:	Mattel Toys Design Ctr
Site Address:	2031 E MARIPOSA AVE
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	12-13-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Mattel Toys
Entity Title:	Operator
Affiliation Address:	333 Continental Blvd M1 0530

MATTEL TOYS INC (Continued) **1000472823**

Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

U119 **NORTHROP CORP-AIRCRAFT DIV** **CA ENVIROSTOR** **S118757542**
NNE **2031 E MARIPOSA AVE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90250**
0.336 mi.
1772 ft. **Site 3 of 3 in cluster U**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Facility ID: 80001646
Status: No Action Required
Status Date: 06/19/2013
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Katherine Gould
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92483
Longitude: -118.3908
APN: 4138019002
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 4138019002
Alias Type: APN
Alias Name: CAD009687336
Alias Type: EPA Identification Number
Alias Name: 80001646
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/30/1990
Comments: Not reported

Future Area Name: Not reported

NORTHROP CORP-AIRCRAFT DIV (Continued) **S118757542**

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V120 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571438**
ESE **200 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.351 mi.
1854 ft. **Site 1 of 3 in cluster V**

Relative: **Lower**

Actual: **103 ft.**

RGA LUST:
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2012 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2011 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2010 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2009 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2008 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2007 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2006 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2005 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N

AMPEX CORPORATION SITE (Continued) **S114571438**

City: EL SEGUNDO
State: EL SEGUNDO
2003 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2002 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2001 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
2000 AMPEX CORPORATION SITE 200 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
1998 AMPEX CORPORATION SITE 200 NASH ST N

V121 **AMPEX CORPORATION SITE** **CA LUST** **1000225587**
ESE **200 NASH ST N** **CA HIST UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA ENF**
0.351 mi. **CA HIST CORTESE**
1854 ft. **Site 2 of 3 in cluster V** **CA LOS ANGELES CO. HMS**
CA CERS

Relative:
Lower

Actual:
103 ft.

LUST:
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705447
Global Id: T0603705447
Latitude: 33.917679
Longitude: -118.386245
Status: Completed - Case Closed
Status Date: 05/21/1998
Case Worker: Not reported
RB Case Number: R-24347
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603705447
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE

AMPEX CORPORATION SITE (Continued) **1000225587**

City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705447
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705447
Action Type: ENFORCEMENT
Date: 04/02/2008
Action: * No Action

Global Id: T0603705447
Action Type: REMEDIATION
Date: 04/02/2008
Action: Not reported

Global Id: T0603705447
Action Type: Other
Date: 01/01/1986
Action: Leak Reported

LUST:
Global Id: T0603705447
Status: Open - Case Begin Date
Status Date: 01/01/1986

Global Id: T0603705447
Status: Open - Site Assessment
Status Date: 01/01/1986

Global Id: T0603705447
Status: Completed - Case Closed
Status Date: 05/21/1998

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-24347
Status: Leak being confirmed
Substance: Methylene Chloride
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705447
W Global ID: Not reported

AMPEX CORPORATION SITE (Continued) **1000225587**

Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/1/1986
Date Leak Record Entered:	1/23/1996	
Date Confirmation Began:	1/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/18/1996
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	OLD CASE#90240043	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6255.07641072464880777682187 54
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AMPEX CORPORATION	
RP Address:	401 BROADWAY, MS 1-40, REDWOOD CITY 94063-3199	
Program:	LUST	
Lat/Long:	33.9180117 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	NON-FUEL SOIL CONTAMINATION CASE. MAGIC BOOK / LOP CASE FILES AGENCY FOR AMPEX CORP.	NOT IN DPW LA CO DPW IS THE LEAD

HIST UST:

Name:	AMPEX CORPORATION
Address:	200 N NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000068973

AMPEX CORPORATION SITE (Continued) **1000225587**

Facility Type:	Other
Other Type:	ELECTRONICS MFG.
Contact Name:	EL SEGUNDO BOULEVARD
Telephone:	2136400150
Owner Name:	AMPEX CORPORATION - COMPUTER P
Owner Address:	200 NORTH NASH STREET
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00000350
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	X
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1976
Tank Capacity:	00001250
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

ENF:

Name:	EXODUS COMMUNICATIONS
Address:	200 NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported

AMPEX CORPORATION SITE (Continued) **1000225587**

Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238001
Region:	4
Order / Resolution Number:	SEL
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/23/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/23/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 8/23/00 for failure to pay AGT fee.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

AMPEX CORPORATION SITE (Continued) **1000225587**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	EXODUS COMMUNICATIONS
Address:	200 NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active

AMPEX CORPORATION SITE (Continued) **1000225587**

Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236909
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/05/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/05/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 6/5/01 for failure to pay fees. Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	AMPEX CORPORATION SITE
edr_fadd1:	200 NASH
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-24347

LOS ANGELES CO. HMS:

Name:	AMPEX CORP
Address:	200 N NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	017724-024347
Facility Type:	1

AMPEX CORPORATION SITE (Continued) **1000225587**

Facility Status: Closed
Area: 2N
Permit Number: 000187070
Permit Status: Closed

CERS:
Name: AMPEX CORPORATION SITE
Address: 200 NASH ST N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 213134
CERS ID: T0603705447
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

V122 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571437**
ESE **198 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.352 mi.
1856 ft. **Site 3 of 3 in cluster V**

Relative: **Lower**
Actual: **103 ft.**

RGA LUST:
Name: AMPEX CORPORATION SITE
Address: 198 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
1997 AMPEX CORPORATION SITE 198 NASH ST N
Name: AMPEX CORPORATION SITE
Address: 198 NASH ST N
City: EL SEGUNDO
State: EL SEGUNDO
1996 AMPEX CORPORATION SITE 198 NASH ST N

123
NNW
1/4-1/2
0.376 mi.
1983 ft.

UNOCAL #5866
603 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S102440077**
CA HIST CORTESE **N/A**
CA CERS

Relative:
Higher

Actual:
128 ft.

LUST:

Name:	UNOCAL #5866
Address:	603 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703539
Global Id:	T0603703539
Latitude:	33.923772
Longitude:	-118.3963763
Status:	Completed - Case Closed
Status Date:	07/12/1996
Case Worker:	YR
RB Case Number:	I-09969
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703539
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603703539
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703539
Action Type:	Other
Date:	11/27/1990
Action:	Leak Discovery

Global Id:	T0603703539
Action Type:	Other
Date:	11/27/1990
Action:	Leak Stopped

Global Id:	T0603703539
Action Type:	Other

UNOCAL #5866 (Continued) **S102440077**

Date: 12/04/1990
Action: Leak Reported

LUST:
Global Id: T0603703539
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0603703539
Status: Open - Site Assessment
Status Date: 12/04/1990

Global Id: T0603703539
Status: Completed - Case Closed
Status Date: 07/12/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09969	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703539	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	MARIPOSA	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/4/1990
Date Leak Record Entered:	1/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		7/12/1996
Date the Case was Closed:		7/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MASDI, JOLIL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9366.077673363444925489930952
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/4/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

UNOCAL #5866 (Continued) **S102440077**

Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	UNOCAL CORP
RP Address:	376 S VALENCIA AVE, BREA CA 92621
Program:	LUST
Lat/Long:	33.9235634 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	ROUTINE TANK REPLACEMENT. APP. 100 CU YARDS OF CONTAMINATED SOIL EXCAVATED TO BE TREATED OR HAULED. TANKS IN SOLID CONDITION.

HIST CORTESE:

edr_fname:	UNOCAL #5866
edr_fadd1:	603 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-09969

CERS:

Name:	UNOCAL #5866
Address:	603 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	207308
CERS ID:	T0603703539
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported

UNOCAL #5866 (Continued) **S102440077**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

W124
NNE
1/4-1/2
0.378 mi.
1998 ft.

Relative: Lower

Actual: 107 ft.

NORTHROP CORP AIRCRAFT DIV
2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245

Site 1 of 2 in cluster W

SEMS-ARCHIVE **1000409954**
CORRACTS **CAD000627216**
RCRA-TSDF
RCRA NonGen / NLR
CA EMI
CA HAZNET
CA LOS ANGELES CO. HMS
CA HWP
CA CERS

SEMS Archive:
Site ID: 0900299
EPA ID: CAD000627216
Cong District: 27
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0900299
EPA ID: CAD000627216
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-06 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900299
EPA ID: CAD000627216
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-06 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900299
EPA ID: CAD000627216
Site Name: NORTHROP CORP AIRCRAFT DIV

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-05-08 04:00:00
Finish Date: 1990-05-08 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
EPA ID: CAD000627216
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900606
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/10/1993
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/28/1992
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 06/06/1990
Event: NCAPS RANKING/PRIORITY

Event date: 06/06/1990
Event: CA PRIORITIZATION-LOW CA PRIORITY

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Event date: 06/06/1990
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/23/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Evaluation date: 07/10/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA NonGen / NLR:
Date form received by agency: 09/10/1993
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/28/1992
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 06/06/1990
Event: NCAPS RANKING/PRIORITY

Event date: 06/06/1990
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 06/06/1990
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/23/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EMI:

Name: NORTHROP CORP, AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 46825
Air District Name: SC
SIC Code: 3761
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: NORTHROP CORP, AIRCRAFT DIV AU
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 46825
Air District Name: SC
SIC Code: 3812
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1994
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.19
CA Waste Code: 221-Waste oil and mixed oil
Method: -
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.3775
CA Waste Code: 122-Alkaline solution without metals pH >= 12.5
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.35
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 1.02
CA Waste Code: 221-Waste oil and mixed oil
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

TSD County: Los Angeles
Tons: 0.0325
CA Waste Code: 223-Unspecified oil-containing waste
Method: -
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
98 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:
Name: NORTHROP CORP-AU FACILITY
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 015796-016908
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 0000T6346
Permit Status: Closed

HWP:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAD000627216
Cleanup Status: CLOSED
Latitude: 33.92467
Longitude: -118.3895
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/23/1988

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/31/1989

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Actual Date: 11/19/1980

Closure:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

CERS:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 193510
CERS ID: CAD000627216
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: -GERALD BROWN ENV. ENG.
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 2139704704

Affiliation Type Desc: Facility Owner
Entity Name: NORTHROP CORPORATION
Entity Title: Not reported
Affiliation Address: 1840 CENTURY PARK EAST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900670000
Affiliation Phone: 3105536262

Name: NORTHROP CORP/AIRCRA
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 371416
CERS ID: 80001309
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: NOEL SHRUM
Entity Title: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

W125 **NORTHROP CORP/AIRCRAFT DIV** **CA ENVIROSTOR** **S118757503**
NNE **2043 E MARIPOSA AVE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.378 mi.
1998 ft. **Site 2 of 2 in cluster W**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Facility ID:	80001309
Status:	No Action Required
Status Date:	03/14/2014
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Noel Shrum
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92467
Longitude:	-118.3895
APN:	4138019002, 4138028004
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	4138028004
Alias Type:	APN
Alias Name:	CAD000627216
Alias Type:	EPA Identification Number
Alias Name:	80001309
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/06/1990

NORTHROP CORP/AIRCRAFT DIV (Continued) **S118757503**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

X126 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709510**
ENE **444 NASH ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2001 ft. **Site 1 of 4 in cluster X**

Relative: RGA LUST:
Lower
Name: UNITED AIRLINE FLIGHT KITCHEN
Actual: Address: 444 NASH ST.
102 ft. City: EL SEGUNDO
State: EL SEGUNDO
1994 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST.
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST.
City: EL SEGUNDO
State: EL SEGUNDO
1993 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST.

X127 **UNITED AIRLINE FLIGHT KITCHEN** **CA LUST** **S102439619**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.379 mi.
2001 ft. **Site 2 of 4 in cluster X**

Relative: LUST REG 4:
Lower
Region: 4
Actual: Regional Board: 04
102 ft. County: Los Angeles
Facility Id: I-12973
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704019
W Global ID: Not reported
Staff: UNK

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S102439619**

Local Agency:	19013	
Cross Street:	EL SEGUNDO BLVD.	
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters	
Date Leak Discovered:	12/17/1990	
Date Leak First Reported:		1/23/1991
Date Leak Record Entered:	2/8/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	12/17/1990	
Date Case Last Changed on Database:		6/30/1992
Date the Case was Closed:		7/25/1991
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HARRISON, WALT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6476.3069257802008242951636235
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		12/17/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED AIRLINES	
RP Address:	6066 AVION DR., LOS ANGELES, 90045	
Program:	LUST	
Lat/Long:	33.9215296 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #020891-13	

X128 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709511**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2001 ft. **Site 3 of 4 in cluster X**

Relative: RGA LUST:
Lower

Name:	UNITED AIRLINE FLIGHT KITCHEN
Address:	444 NASH ST
City:	EL SEGUNDO
State:	EL SEGUNDO

Actual: **102 ft.**

2012 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S114709511**

Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2011 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2010 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2009 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2008 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2007 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2006 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2005 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2003 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2002 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2001 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
2000 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S114709511**

City: EL SEGUNDO
State: EL SEGUNDO
1998 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
1997 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
1996 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
State: EL SEGUNDO
1995 UNITED AIRLINE FLIGHT KITCHEN 444 NASH ST

X129 **UNITED AIRLINES FLIGHT KITCHEN** **CA LUST** **S103985741**
ENE **444 NASH ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90009** **CA EMI**
0.379 mi. **CA HIST CORTESE**
2001 ft. **Site 4 of 4 in cluster X** **CA NPDES**
CA CIWQS
Relative: Lower **CA CERS**

Actual: 102 ft.

LUST:
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704019
Global Id: T0603704019
Latitude: 33.921778
Longitude: -118.38632
Status: Completed - Case Closed
Status Date: 07/25/1991
Case Worker: SHT
RB Case Number: I-12973
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603704019
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Global Id: T0603704019
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Discovery

Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Stopped

Global Id: T0603704019
Action Type: Other
Date: 01/23/1991
Action: Leak Reported

LUST:
Global Id: T0603704019
Status: Open - Case Begin Date
Status Date: 12/17/1990

Global Id: T0603704019
Status: Open - Remediation
Status Date: 12/17/1990

Global Id: T0603704019
Status: Completed - Case Closed
Status Date: 07/25/1991

SWEEPS UST:
Name: UNITED AIRLINES FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
Status: Not reported
Comp Number: 12973
Number: Not reported
Board Of Equalization: 44-009989
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012973-000001
Tank Status: Not reported
Capacity: 25000
Active Date: Not reported
Tank Use: M.V. FUEL

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

EMI:

Name:	UNITED AIRLINES INC (FOOD SERV
Address:	444 NASH ST
City,State,Zip:	EL SEGUNDO, CA 90009
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	16256
Air District Name:	SC
SIC Code:	2099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	UNITED AIRLINE FLIGHT KIT
edr_fadd1:	444 NASH
City,State,Zip:	EL SEGUNDO, CA 90009
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-12973

NPDES:

Name:	T5 LOS ANGELES DATA CENTER
Address:	444 NORTH NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C362440
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/01/2016
Operator Name:	T5 at Los Angeles LLC
Operator Address:	3565 Piedmont Road Suite 318
Operator City:	Atlanta
Operator State:	Georgia
Operator Zip:	30305

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	421867
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C362440
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/15/2011
Processed Date:	11/16/2011
Status:	Terminated
Status Date:	06/01/2016
Place Size:	6.1
Place Size Unit:	Acres
Contact:	Addison Kerr
Contact Title:	Project Engineer
Contact Phone:	678-438-8084
Contact Phone Ext:	Not reported
Contact Email:	akerr@holder.com
Operator Name:	T5 at Los Angeles LLC
Operator Address:	3565 Piedmont Road Suite 318
Operator City:	Atlanta
Operator State:	Georgia
Operator Zip:	30305
Operator Contact:	Jimmy Bailey
Operator Contact Title:	Executive Vice President
Operator Contact Phone:	404-239-7143
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rsovie@t5datacenters.com
Operator Type:	Private Business
Developer:	T5 at Los Angeles LLC
Developer Address:	3565 Piedmont Road Suite 318
Developer City:	Atlanta
Developer State:	Georgia
Developer Zip:	30305
Developer Contact:	Jimmy Bailey
Developer Contact Title:	Executive Vice President

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Constype Linear Utility Ind:	N
Emergency Phone:	678-438-8084
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Jimmy Bailey
Certifier Title:	Not reported
Certification Date:	15-NOV-11
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	421867
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C362440
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/16/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	T5 at Los Angeles LLC
Discharge Address:	3565 Piedmont Road Suite 318
Discharge City:	Atlanta
Discharge State:	Georgia
Discharge Zip:	30305
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	T5 LOS ANGELES DATA CENTER
Address:	444 NORTH NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	T5 at Los Angeles LLC
Agency Address:	3565 Piedmont Road Suite 318, Atlanta, GA 30305
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C362440
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/16/2011
Termination Date:	05/12/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	33.91667
Longitude:	-118.38333

CERS:

Name:	UNITED AIRLINE FLIGHT KITCHEN
Address:	444 NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	218198
CERS ID:	T0603704019
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Y130 **INTERNATIONAL RECTIFIER CORP** **CA RGA LUST** **S114635479**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2002 ft. **Site 1 of 6 in cluster Y**

Relative: **Higher**

Actual: **122 ft.**

RGA LUST:

Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2007	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2006	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2005	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2003	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2002	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2001	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	2000	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1998	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1997	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
Name:	INTERNATIONAL RECTIFIER CORP		
Address:	233 KANSAS ST		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1996	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST

Y131 **INTERNATIONAL RECTIFIER CORP** **CA ENVIROSTOR** **U002287919**
West **233 KANSAS ST** **CA LUST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA CPS-SLIC**
0.379 mi. **CA HIST CORTESE**
2002 ft. **Site 2 of 6 in cluster Y** **CA LOS ANGELES CO. HMS**
CA NPDES
Relative: Higher **CA WDS**
CA CIWQS
Actual: 122 ft. **CA CERS**

ENVIROSTOR:

Name:	INTERNATIONAL RECTIFIER
Address:	233 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19360533
Status:	Refer: RWQCB
Status Date:	07/19/2018
Site Code:	300569
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	1.85
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91866
Longitude:	-118.4007
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* ACID SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	INTERNATIONAL RECTIFIER
Alias Type:	Alternate Name
Alias Name:	CAD076208313
Alias Type:	EPA Identification Number
Alias Name:	110000474479
Alias Type:	EPA (FRS #)
Alias Name:	300569
Alias Type:	Project Code (Site Code)
Alias Name:	19360533
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	09/24/1996
Comments:	Preliminary Assessment completed under U.S. EPA grant. Site is no further assessment for U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment.

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/25/1995
Comments: The Department received a hazardous substace release report. The site had a waste leak from a plating line and acidic aqueous waste left metal contamination in the soil. Due to evidence of contamination, the Department recommends a PEA. The Department notified the RP that a PEA be conducted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15781
Status: Preliminary site assessment underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704349
W Global ID: Not reported
Staff: SLC
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Not reported
Date Leak Discovered: 6/29/1990
Date Leak First Reported: 7/25/1990
Date Leak Record Entered: 9/26/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 6/29/1990
Date Case Last Changed on Database: 5/2/1994
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: NASSIF, GERALD
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8464.971975309280812962810462
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 7/25/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: INTERNATIONAL RECTIFIER CORP.
RP Address: 233 KANSAS ST., EL SEGUNDO, 90245
Program: SLIC
Lat/Long: 33.9182275 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: file missing, transfered from MSH to RI

CPS-SLIC:
Name: INTERNATIONAL RECTIFIER CORP.
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/27/1997
Global Id: SL184571440
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.917719
Longitude: -118.399635
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0608
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: INTERNATIONAL RECTIFIER C
edr_fadd1: 233 KANSAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15781

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

LOS ANGELES CO. HMS:

Name:	INTERNATIONAL RECTIFIER
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	014941-015781
Facility Type:	1
Facility Status:	Closed
Area:	2N
Permit Number:	000167695
Permit Status:	Closed

NPDES:

Name:	INT RECTIFIER CORP EL SEGUNDO
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I001141
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	07/15/2015
Operator Name:	International Rectifier
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188760
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001141
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/09/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992
Status:	Terminated
Status Date:	07/15/2015
Place Size:	10
Place Size Unit:	Acres
Contact:	Ro Gunetilleke
Contact Title:	Site Services Manager
Contact Phone:	310-726-8974
Contact Phone Ext:	Not reported
Contact Email:	rguneti1@irf.com
Operator Name:	International Rectifier
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Ro Gunetilleke
Operator Contact Title:	Site Services Manager
Operator Contact Phone:	310-726-8974
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rguneti1@irf.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-345-6225
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Certifier:	GORDON PEILTE
Certifier Title:	EHS MANAGER
Certification Date:	16-JUN-15
Primary Sic:	3674-Semiconductors and Related Devices
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	INT RECTIFIEREL SEGUNDO
Address:	233 Kansas St
City:	EL SEGUNDO
Facility ID:	4 19I001141
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3107268283
Facility Contact:	CYNTHIA VELEZ
Agency Name:	INT RECTIFIER CORP
Agency Address:	233 Kansas St
Agency City,St,Zip:	El Segundo 902454316
Agency Contact:	CORPORATION
Agency Telephone:	3103223331
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

CIWQS:

Name:	INT RECTIFIER CORP EL SEGUNDO
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	International Rectifier
Agency Address:	101 N Sepulveda Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Semiconductors and Related Devices
SIC/NAICS:	3674
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001141
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/25/1992
Termination Date:	10/09/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91846
Longitude:	-118.40049

CERS:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	38397
CERS ID:	90245NTRNT233KA
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Parent Company
Entity Name:	INTERNATIONAL RECTIFIER CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Company Official
Entity Name:	Amy Kim
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Affiliation Type Desc:	Technical Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3107268727

Affiliation Type Desc:	Public Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3107268727

Name:	INTERNATIONAL RECTIFIER CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA
Site ID:	215151
CERS ID:	SL184571440
CERS Description:	Cleanup Program Site

Y132 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635477**
West **233 KANSAS ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2002 ft. **Site 3 of 6 in cluster Y**

Relative: **Higher**
Actual: **122 ft.**

RGA LUST:

Name:	INTERNATIONAL RECTIFIER CORP.		
Address:	233 KANSAS ST.		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1994	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.
Name:	INTERNATIONAL RECTIFIER CORP.		
Address:	233 KANSAS ST.		
City:	EL SEGUNDO		
State:	EL SEGUNDO		
	1993	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.

Y133 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635478**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2002 ft. **Site 4 of 6 in cluster Y**

Relative: **Higher**
Actual: **122 ft.**

RGA LUST:

Name:	INTERNATIONAL RECTIFIER CORP.
Address:	233 KANSAS ST
City:	EL SEGUNDO

INTERNATIONAL RECTIFIER CORP. (Continued) **S114635478**

State: EL SEGUNDO
1995 INTERNATIONAL RECTIFIER CORP. 233 KANSAS ST

Y134 **INTERNATIONAL RECTIFIER CORP.** **CA CPS-SLIC** **1005976343**
West **233 KANSAS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.379 mi.
2002 ft. **Site 5 of 6 in cluster Y**

Relative: **Higher**
Actual: **122 ft.**

SLIC REG 4:
Region: 4
Facility Status: No further action required
SLIC: 0608
Substance: Not reported
Staff: PR

Z135 **PILLACK PROPERTY** **CA HIST CORTESE** **S105023636**
West **1410 GRAND** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.417 mi.
2204 ft. **Site 1 of 2 in cluster Z**

Relative: **Higher**
Actual: **132 ft.**

HIST CORTESE:
edr_fname: PILLACK PROPERTY
edr_fadd1: 1410 GRAND
City,State,Zip: EL SEGUNDO, CA
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14091

Z136 **PILLACK PROPERTY** **CA LUST** **S104916213**
West **1410 GRAND AVE** **CA CERS** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90245**
0.417 mi.
2204 ft. **Site 2 of 2 in cluster Z**

Relative: **Higher**
Actual: **132 ft.**

LUST:
Name: PILLACK PROPERTY
Address: 1410 GRAND AVE
City,State,Zip: EAST LOS ANGELES, CA 90245
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704135
Global Id: T0603704135
Latitude: 34.0370135
Longitude: -118.2652686
Status: Completed - Case Closed
Status Date: 01/26/1990
Case Worker: JOA
RB Case Number: I-14091
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil

PILLACK PROPERTY (Continued) **S104916213**

Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704135
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704135
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704135
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704135
Status: Completed - Case Closed
Status Date: 01/26/1990

Global Id: T0603704135
Status: Open - Case Begin Date
Status Date: 01/26/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14091
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704135
W Global ID: W0607701254
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported

PILLACK PROPERTY (Continued) **S104916213**

Date Leak First Reported: 1/26/1990
Date Leak Record Entered: 2/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 2/16/1990
Date the Case was Closed: 1/26/1990
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: UNOCAL - JIM SCOTT
Well Name: Not reported
Approx. Dist To Production Well (ft): 5591.98947487533417639747716
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RICHARD B. PILLACK
RP Address: 4315 INGLEWOOD BOULEVARD, LOS ANGELES, 90066
Program: LUST
Lat/Long: 34.0370135 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3901254-001GEN
Summary: Not reported

CERS:
Name: PILLACK PROPERTY
Address: 1410 GRAND AVE
City,State,Zip: EAST LOS ANGELES, CA 90245
Site ID: 220959
CERS ID: T0603704135
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA

PILLACK PROPERTY (Continued) **S104916213**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Y137 **INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIE** **CA ENVIROSTOR** **S122495084**
West **270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 33** **CA VCP** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.418 mi.
2207 ft. **Site 6 of 6 in cluster Y**

Relative: ENVIROSTOR:
Higher

Name:	INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
Address:	270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002691
Status:	Active
Status Date:	07/19/2018
Site Code:	301834
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	5.1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	, 62
Senate:	, 26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91869
Longitude:	-118.4007
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, SV, UE
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	60002691
Alias Type:	Envirostor ID Number

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	11/04/2018
Comments:	No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	08/15/2018
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/03/2018
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	07/19/2018
Comments:	Water contacted to request lead agency decision. DTSC is lead agency

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	08/21/2018
Comments:	Phase I has been completed, DTSS is currently reviewing Phase II

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/04/2018
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
Address:	270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002691
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Acres:	5.1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301834
Assembly:	, 62
Senate:	, 26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	07/19/2018
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91869 / -118.4007
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	SOIL, SV, UE
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	60002691
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	11/04/2018
Comments:	No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	08/15/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/03/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	07/19/2018
Comments:	Water contacted to request lead agency decision. DTSC is lead agency
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Completed Date:	08/21/2018
Comments:	Phase I has been completed, DTSS is currently reviewing Phase II
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/04/2018
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AA138 **BLACKMORE ASSOCIATES** **CA LUST** **S102056743**
North **700 LAIRPORT ST** **CA CERS HAZ WASTE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA SWEEPS UST**
0.418 mi. **CA LOS ANGELES CO. HMS**
2207 ft. **Site 1 of 2 in cluster AA** **CA CERS**

Relative: **Lower**
Actual: **108 ft.**

LUST:

Name:	BLACKMORE ASSOCIATES
Address:	700 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705083
Global Id:	T0603705083
Latitude:	33.9050879
Longitude:	-118.3867277
Status:	Completed - Case Closed
Status Date:	07/26/2006
Case Worker:	SHT
RB Case Number:	R-11949
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603705083
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported
Global Id:	T0603705083
Contact Type:	Regional Board Caseworker

BLACKMORE ASSOCIATES (Continued) **S102056743**

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Discovery

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Stopped

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Reported

LUST:
Global Id: T0603705083
Status: Open - Case Begin Date
Status Date: 06/19/1986

Global Id: T0603705083
Status: Open - Site Assessment
Status Date: 06/19/1986

Global Id: T0603705083
Status: Completed - Case Closed
Status Date: 07/26/2006

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-11949
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705083
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 6/19/1986
Date Leak First Reported: 6/19/1986

BLACKMORE ASSOCIATES (Continued) **S102056743**

Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 6/19/1986
Date Leak Stopped: 6/19/1986
Date Case Last Changed on Database: 8/19/1987
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: BROWN, MIKE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2119.714190401390709716255708 8
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLACKMORE ASSOCIATES
RP Address: 700 LAIRPORT STREET, EL SEGUNDO, CA
Program: LUST
Lat/Long: 33.9050879 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CERS HAZ WASTE:
Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: BLACKMORE ASS
Address: 700 LAIRPORT ST
City: EL SEGUNDO
Status: Active
Comp Number: 11949
Number: 9

BLACKMORE ASSOCIATES (Continued) **S102056743**

Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 011881-011949
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000182656
Permit Status: Closed

CERS:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 238830
CERS ID: T0603705083
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 10-17-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 11/03/2017. The facility did not have a final copy of manifest 001083854VES used to transport waste oil to Veolia. Locate a copy of all manifests for [001083854VES] and submit copies to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 10-17-2017
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Returned to compliance on 11/03/2017. The facility was not aware of the requirement for the generator to send a copy to the DTSC. No copies of the manifest were being sent to the State. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Noted: Nitorgen, Helium, Argon, and waste oil. This facility has 30 days to fix the following corrective items. 1. Number of employees is not included on business owner/operator page. 2. Waste oil shall be added to disclosure. 3. This facility shall remove isopropanol and instapak molding foam from disclosure.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

BLACKMORE ASSOCIATES (Continued) **S102056743**

Eval Date: 10-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 364694
Facility Name: Keysight Technologies, Inc.
Env Int Type Code: HWG
Program ID: 10660756
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.907100
Longitude: -118.380500

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Identification Signer
Entity Name: Glenn Gaza
Entity Title: Site Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Keysight Technologies
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 643-0438

Affiliation Type Desc: Environmental Contact
Entity Name: Rick Miller
Entity Title: Not reported
Affiliation Address: 5301 Stevens Creek Boulevard Mail Stop #4ATC
Affiliation City: Santa Clara
Affiliation State: CA
Affiliation Country: Not reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

Affiliation Zip:	95051
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	700 Lairport Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Keysight Technologies, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Rick Miller
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Keysight Technologies
Entity Title:	Not reported
Affiliation Address:	700 Lairport Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 643-0438

AA139 **BLACKMORE ASSOCIATES** **CA RGA LUST** **S114583637**
North **700 LAIRPORT ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.418 mi.
2207 ft. **Site 2 of 2 in cluster AA**

Relative: RGA LUST:
Lower
Name: BLACKMORE ASSOCIATES
Actual: Address: 700 LAIRPORT ST
108 ft. City: EL SEGUNDO
State: EL SEGUNDO
2012 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST

BLACKMORE ASSOCIATES (Continued) **S114583637**

City: EL SEGUNDO
State: EL SEGUNDO
2011 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2010 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2009 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2008 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2007 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2006 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2005 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2003 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2002 BLACKMORE ASSOCIATES 700 LAIRPORT ST
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City: EL SEGUNDO
State: EL SEGUNDO
2001 BLACKMORE ASSOCIATES 700 LAIRPORT ST

AB140 **DEVLIN PHARMACEUTICALS, INC** **CA ENVIROSTOR** **S102860858**
NNW **700 NORTH SEPULVEDA BLVD** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.452 mi.
2385 ft. **Site 1 of 2 in cluster AB**

Relative:
Higher

Actual:
121 ft.

ENVIROSTOR:

Name:	DEVLIN PHARMACEUTICALS, INC
Address:	700 NORTH SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19280313
Status:	No Further Action
Status Date:	12/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	5
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92556
Longitude:	-118.3951
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER
Potential COC:	TPH-gas
Confirmed COC:	30025-NO
Potential Description:	SOIL
Alias Name:	BERGEN-BRUNSWIG
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT COMPANY
Alias Type:	Alternate Name
Alias Name:	RABIN WINTERS CORPORATION
Alias Type:	Alternate Name
Alias Name:	RABIN'S PHARMACEUTICAL COMPANY
Alias Type:	Alternate Name
Alias Name:	CAD981373848
Alias Type:	EPA Identification Number
Alias Name:	19280313
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	04/03/1980
Comments:	FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIR RECIEVED IDENTIFIED DISCH METHOD & WASTE TYPE
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Completed Date: 03/22/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: CONTACT W/ LICHTEN,HUGHES, & RABIN,OWNER - (DEVLIN)MFG OF PHARMACEUTL & VITAMINS, (RABIN'S)MFG OF PHARMACEUTIC & PROD OF ROSIN LIGHTER FLUID, (BERGEN) MFG OF PHARMACEUTICALS, (HUGHES) STORAGE OF OFFICE EQUIP. IN 1982 8 U/G TANKS USED BY RABINS WERE REMOVED BY RABIN W/O REGULATORY. SUBMIT TO EPA ENFORCEMENT(OTHER) CO ENGR. CLOSED CLARIFIER ON 10/29/85 PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/08/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AB141 **DEVLIN PHARMACEUTICALS INC** **SEMS-ARCHIVE** **1003878845**
NNW **700 N SEPULVEDA BLVD** **CAD981373848**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.452 mi.
2385 ft. **Site 2 of 2 in cluster AB**

Relative:
Higher

Actual:
121 ft.

SEMS Archive:
Site ID: 0902293
EPA ID: CAD981373848
Cong District: 27
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902293
EPA ID: CAD981373848
Site Name: DEVLIN PHARMACEUTICALS INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-02-22 05:00:00

DEVLIN PHARMACEUTICALS INC (Continued) **1003878845**

Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-02-01 05:00:00
Finish Date:	1986-02-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-02-22 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-01-01 05:00:00
Finish Date:	1986-05-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

142
NE
1/4-1/2
0.453 mi.
2393 ft.

HILTON GARDEN INN
MARIPOSA AVENUE AND NASH STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S104156165**
CA VCP **N/A**

Relative:
Lower

Actual:
102 ft.

ENVIROSTOR:

Name:	HILTON GARDEN INN
Address:	MARIPOSA AVENUE AND NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130106
Status:	No Further Action
Status Date:	09/24/1999
Site Code:	300779
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92305
Longitude:	-118.3872
APN:	NONE SPECIFIED
Past Use:	OIL FIELD
Potential COC:	* HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	110033614881
Alias Type:	EPA (FRS #)
Alias Name:	300779
Alias Type:	Project Code (Site Code)
Alias Name:	19130106
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	09/24/1999
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/07/2000
Comments:	Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

HILTON GARDEN INN (Continued) **S104156165**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: HILTON GARDEN INN
Address: MARIPOSA AVENUE AND NASH STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19130106
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Site Code: 300779
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/24/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92305 / -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: 10009, 10097
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/24/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000
Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the

HILTON GARDEN INN (Continued) **S104156165**

consultant had performed for this site. "No Further Action" is necessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

143
North
1/4-1/2
0.466 mi.
2462 ft.

HUGHES AIRCRAFT-EDSG
1920 MAPLE ST E
EL SEGUNDO, CA 90245

CA LUST **S103281817**
CA HIST CORTESE **N/A**
CA CERS

Relative:
Lower

Actual:
111 ft.

LUST:
Name: HUGHES AIRCRAFT-EDSG
Address: 1920 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704975
Global Id: T0603704975
Latitude: 33.926076
Longitude: -118.394113
Status: Completed - Case Closed
Status Date: 09/18/1996
Case Worker: SHT
RB Case Number: R-10916
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704975
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704975
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

LUST:
Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Discovery

Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Reported

LUST:
Global Id: T0603704975
Status: Open - Case Begin Date
Status Date: 11/03/1986

Global Id: T0603704975
Status: Completed - Case Closed
Status Date: 09/18/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10916
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704975
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 11/3/1986
Date Leak First Reported: 11/3/1986
Date Leak Record Entered: 8/11/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/18/1996
Date the Case was Closed: 9/18/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: MR. LICKETEN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 9462.967204194050022521530264
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	HUGHES AIRCRAFT
RP Address:	Not reported
Program:	LUST
Lat/Long:	33.9268324 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

HIST CORTESE:

edr_fname:	HUGHES AIRCRAFT-EDSG
edr_fadd1:	1920 MAPLE
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-10916

CERS:

Name:	HUGHES AIRCRAFT-EDSG
Address:	1920 MAPLE ST E
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	198522
CERS ID:	T0603704975
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

144
West
1/4-1/2
0.481 mi.
2538 ft.

1330 EAST FRANKLIN AVENUE
1330 EAST FRANKLIN AVENUE
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S118757325**
CA VCP **N/A**

Relative:
Higher

Actual:
132 ft.

ENVIROSTOR:
Name: 1330 EAST FRANKLIN AVENUE
Address: 1330 EAST FRANKLIN AVENUE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002376
Status: Active
Status Date: 06/15/2016
Site Code: 301760
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.33
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Folashade Simpson
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: , 62
Senate: , 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.91764
Longitude: -118.4014
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301760
Alias Type: Project Code (Site Code)
Alias Name: 60002376
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2017
Comments: Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/19/2016
Comments: DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/23/2017
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2016
Comments: DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2017
Comments: FA warranted, SSI following shutdown.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/21/2017
Comments: Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/06/2017
Comments: This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2018
Comments: Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: FA determination. Determination called for SSI WP within 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Participation Plan / Community Relations Plan
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 05/29/2019
Schedule Revised Date: Not reported

VCP:
Name: 1330 EAST FRANKLIN AVENUE
Address: 1330 EAST FRANKLIN AVENUE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002376
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.33
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Folashade Simpson
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 301760
Assembly: , 62
Senate: , 26
Special Programs Code: Voluntary Cleanup Program
Status: Active

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Status Date:	06/15/2016
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91764 / -118.4014
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301760
Alias Type:	Project Code (Site Code)
Alias Name:	60002376
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/18/2017
Comments:	Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/06/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	08/24/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/19/2016
Comments:	DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	06/23/2017
Comments:	VCA signed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	10/06/2016
Comments:	Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2016
Comments: DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2017
Comments: FA warranted, SSI following shutdown.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/21/2017
Comments: Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Date: 04/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/06/2017
Comments: This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: FA determination. Determination called for SSI WP within 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Participation Plan / Community Relations Plan
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 05/29/2019

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Schedule Revised Date: Not reported

145
ENE
1/4-1/2
0.494 mi.
2609 ft.

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
400 DULEY ROAD
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108197287**
CA VCP **N/A**
CA NPDES
CA CIWQS

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Name:	FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60000905
Status:	No Further Action
Status Date:	01/07/2014
Site Code:	301386
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92215
Longitude:	-118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Lead Polychlorinated biphenyls (PCBs 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Polychlorinated biphenyls (PCBs Lead
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	04/28/2009

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address: 400 DULEY ROAD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60000905
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Acres:	3.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301386
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	01/07/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92215 / -118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	30013, 30018, 30026, 30027
Confirmed COC:	30018,30013
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	04/28/2009
Comments:	Document reviewed and comments sent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2011
Comments:	Letter sent to proponent on 10/12/2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	03/05/2012
Comments:	DTSC issued certification letter
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:
Name: 400 DULEY ROAD
Address: 400 DULEY ROAD
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 459798
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C373651
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/07/2015
Termination Date Of Regulatory Measure: 08/28/2018
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2121 Rosecrans Avenue
Discharge Name: 400 Duley Road Property LLC
Discharge City: El Segundo
Discharge State: California
Discharge Zip: 90245
Status: Not reported
Status Date: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	459798
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015
Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC
Developer Address:	2121 Rosecrans Avenue
Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C373651
Regulatory Measure Type:	Construction

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/24/2018
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	459798
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC
Developer Address:	2121 Rosecrans Avenue
Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

CIWQS:

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	400 Duley Road Property LLC
Agency Address:	2121 Rosecrans Avenue Suite 4325, El Segundo, CA 90245
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C373651
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/07/2015
Termination Date:	08/28/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.923135
Longitude:	-118.384852

146
NNE
1/2-1
0.530 mi.
2797 ft.

RAYTHEON CO
2030 MAPLE AVE
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S103983824**
CA HWP **N/A**
CA CERS

Relative:
Lower

Actual:
109 ft.

ENVIROSTOR:

Name:	RAYTHEON CO
Address:	2030 MAPLE AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001344
Status:	Active
Status Date:	04/14/2015
Site Code:	300315
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	15.5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party

RAYTHEON CO (Continued) **S103983824**

Latitude: 33.92618
Longitude: -118.3912
APN: NONE SPECIFIED
Past Use: ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - ELECTRONIC, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, SAND BLASTING, UNKNOWN, AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC
Potential COC: Under Investigation Under Investigation
Confirmed COC: Not reported
Potential Description: UE, UE
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: 300315
Alias Type: Project Code (Site Code)
Alias Name: 60001344
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: RAYTHEON CO

RAYTHEON CO (Continued) **S103983824**

Address:	2030 MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA Id:	CAT080010853
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	33.92695
Longitude:	-118.3912
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	300315, TBD
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	02/02/1983

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	01/15/1992

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	04/26/1985

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	04/26/1985

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	05/17/1983

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	06/28/1985

EPA Id:	CAT080010853
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, Tankstr
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	06/28/1990

RAYTHEON CO (Continued) **S103983824**

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/25/1992

Closure:

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: Tankstr
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: Not reported

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: Tankstr
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/23/2018

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/1995

Alias:

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300315

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: TBD

RAYTHEON CO (Continued) **S103983824**

CERS:

Name:	RAYTHEON CO
Address:	2030 MAPLE AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	342059
CERS ID:	60001344
CERS Description:	Corrective Action

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Philip Chandler
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Lead Project Manager
Entity Name:	DON INDERMILL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CHATSWORTH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

147
West
1/2-1
0.541 mi.
2856 ft.

RADIANT SERVICES **CA ENVIROSTOR** **S108217730**
200 NEVADA STREET **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Name:	RADIANT SERVICES
Address:	200 NEVADA STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130119
Status:	Active
Status Date:	09/27/2017
Site Code:	301245
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

RADIANT SERVICES (Continued) **S108217730**

Funding: Responsible Party
Latitude: 33.91826
Longitude: -118.4034
APN: 4139-005-043, 4139005043, 4139005052
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 4139005052
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/2017
Comments: VCA fully executed for former Radiant Services site in El Segundo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/01/2004
Comments: DTSC reviewed historical documents and recommended soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2005
Comments: Based on data, DTSC recommended additional sampling to determine the extent of the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/04/2006

RADIANT SERVICES (Continued) **S108217730**

Comments:	Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/04/2017
Comments:	The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/10/2018
Comments:	DTSC conditionally approved work plan.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Site Characterization Report
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	RADIANT SERVICES
Address:	200 NEVADA STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130119
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301245
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	09/27/2017
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91826 / -118.4034
APN:	4139-005-043, 4139005043, 4139005052
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027

RADIANT SERVICES (Continued) **S108217730**

Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 4139005052
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/2017
Comments: VCA fully executed for former Radiant Services site in El Segundo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/01/2004
Comments: DTSC reviewed historical documents and recommended soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2005
Comments: Based on data, DTSC recommended additional sampling to determine the extent of the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/04/2006
Comments: Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2017

RADIANT SERVICES (Continued) **S108217730**

Comments:	The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/10/2018
Comments:	DTSC conditionally approved work plan.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Site Characterization Report
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AC148 **201 N. DOUGLAS PROPERTY** **CA ENVIROSTOR** **S108200735**
East **201 N. DOUGLAS STREET** **CA SCH** **N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.569 mi.
3005 ft. **Site 1 of 2 in cluster AC**

Relative: **Lower**

Actual: **97 ft.**

ENVIROSTOR:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Status:	Active
Status Date:	10/04/2012
Site Code:	304642
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane Hydrogen sulfide
Confirmed COC:	Methane 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Alias Type: Alternate Name
Alias Name: 4138-003-041
Alias Type: APN
Alias Name: 304642
Alias Type: Project Code (Site Code)
Alias Name: 60001802
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/03/2018
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2017
Comments: Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	01/30/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/03/2018
Comments:	DTSC approved the O&M Report.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304642
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Restricted Use:	NO
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane, Hydrogen sulfide
Confirmed COC:	Methane, 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	10/15/2012
Comments:	Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Responsible Agency Review
Completed Date:	09/06/2013
Comments:	On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Post HARP Form
Completed Date:	08/15/2013
Comments:	On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	02/05/2013
Comments:	Fully executed sent (FedEx) to the District.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/01/2013
Comments:	On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/24/2013
Comments:	On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/03/2018
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	08/31/2017
Comments:	Annual Cost Estimate letter sent 08/31/17.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/15/2017
Comments:	Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	01/30/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/03/2018
Comments:	DTSC approved the O&M Report.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

149
NNW
1/2-1
0.576 mi.
3043 ft.

HUGHES AIRCRAFT/GILBERT
800 N. SEPULVEDA BLVD.
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S111842201**
CA VCP **N/A**

Relative:
Higher

Actual:
121 ft.

ENVIROSTOR:

Name:	HUGHES AIRCRAFT/GILBERT
Address:	800 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19370368
Status:	No Further Action
Status Date:	10/09/1996

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Site Code:	300599
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92666
Longitude:	-118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	HUGHES AIRCRAFT/GILBERT
Address:	800 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19370368
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.2
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Site Code:	300599
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	10/09/1996
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92666 / -118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	10003, 10009
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AC150 **FORT MCARTHUR** **CA BOND EXP. PLAN** **S100833329**
East **200 NORTH DOUGLAS STREET, BLDG. 212** **N/A**
1/2-1 **SAN PEDRO, CA 90245**
0.585 mi.
3091 ft. **Site 2 of 2 in cluster AC**

Relative: **Lower**
Actual: **98 ft.**

CA BOND EXP. PLAN:

Reponsible Party:	FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The Department will either enter into an interagency agreement with the Department of Defense or will issue an order. The Department has budgeted $15,000 for oversight/monitoring costs. DHS will seek 100 percent cost recovery for its direct costs plus staff costs and overhead related to the project. The Department of Defense is expected to fund all remedial investigation and cleanup activities.
Site Description:	The Fort McArthur site is a former nike missile base located in the White's Point area of San Pedro. The Army transferred the site to the Air Force for housing and the Air Force transferred part of the site to the City of Los Angeles for a park. Thesite is located at 25th Street and Western Avenue in San Pedro.
Hazardous Waste Desc:	Ninety-six acres of the original 561-acre complex remain under Air Force control. The remaining properties were disposed of as surplus. An initial assessment study was performed on the active ninety-six acres of Fort McArthur. Nine acres of potential contamination were identified. Only two areas are recommended by the Air Force for further site characterization. Released wastes include pesticides and battery acids.
Threat To Public Health & Env:	Residues of hazardous wastes in the soil are the only identified environmental threat. Ground water is intruded by seawater and is unsuitable at this time for use as a drinking water supply. There is no known exposure at this time.
Site Activity Status:	The installation restoration program (IRP) has been initiated at this base. Currently, the program is in the operations/remedial action phase of the mitigation process.

151
West
1/2-1
0.605 mi.
3192 ft.

134 CENTER STREET
134 CENTER STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S113801375**
CA VCP **N/A**

Relative:
Lower

Actual:
111 ft.

ENVIROSTOR:

Name:	134 CENTER STREET
Address:	134 CENTER STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002642
Status:	Active
Status Date:	04/18/2018
Site Code:	301826
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 62
Senate:	, 26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91736
Longitude:	-118.4050
APN:	NONE SPECIFIED
Past Use:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL PLATING - OTHER
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Confirmed COC:	Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Potential Description:	SOIL, SV
Alias Name:	301826
Alias Type:	Project Code (Site Code)
Alias Name:	60002642
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/05/2018
Comments:	FY 1819 Estimate: $19,419
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/2018
Comments:	Fully executed VCA sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/04/2018

134 CENTER STREET (Continued) **S113801375**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/26/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	04/18/2018
Comments:	RP submitted VCP application.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/18/2018
Comments:	Report of Findings
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Investigation Report
Schedule Due Date:	04/24/2019
Schedule Revised Date:	Not reported

VCP:

Name:	134 CENTER STREET
Address:	134 CENTER STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002642
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.15
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	301826
Assembly:	, 62
Senate:	, 26
Special Programs Code:	Not reported
Status:	Active
Status Date:	04/18/2018
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91736 / -118.4050
APN:	NONE SPECIFIED
Past Use:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL

134 CENTER STREET (Continued) **S113801375**

PLATING - OTHER
Potential COC: 30005, 30013, 30022, 30027, 30153
Confirmed COC: 30013,30022,30027,30153
Potential Description: SOIL, SV
Alias Name: 301826
Alias Type: Project Code (Site Code)
Alias Name: 60002642
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/05/2018
Comments: FY 1819 Estimate: $19,419

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/2018
Comments: Fully executed VCA sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 04/18/2018
Comments: RP submitted VCP application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2018
Comments: Report of Findings

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Investigation Report
Schedule Due Date: 04/24/2019
Schedule Revised Date: Not reported

AD152 **EL SEGUNDO STORAGE ANNEX** **CA ENVIROSTOR** **S107736275**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.698 mi.
3684 ft. **Site 1 of 3 in cluster AD**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:

Name:	EL SEGUNDO STORAGE ANNEX
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000076
Status:	Inactive - Needs Evaluation
Status Date:	08/15/2018
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F531700
Alias Type:	Federal Facility ID
Alias Name:	J09CA0113
Alias Type:	INPR
Alias Name:	80000076
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Site Screening
Future Due Date:	2019
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AD153 **NWRIP DOD #26** **CA ENVIROSTOR** **S107736934**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.698 mi.
3684 ft. **Site 2 of 3 in cluster AD**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:

Name:	NWRIP DOD #26
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000638
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F686900
Alias Type:	Federal Facility ID
Alias Name:	J09CA1029
Alias Type:	INPR
Alias Name:	80000638
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AD154 **EL SEGUNDO STORAGE ANNEX** **FUDS** **1024903408**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.699 mi.
3689 ft. **Site 3 of 3 in cluster AD**

Relative: Higher

Actual: 130 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799F531700
Congressional District Number:	33
Facility Name:	EL SEGUNDO STORAGE ANNEX
FUDS Number:	J09CA0113
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Other
X Coord:	-118.39694443983301
Y Coord:	33.929166670306401
Latitude:	33.929166670000001
Longitude:	-118.39694444

AE155 **THE BOEING COMPANY** **SEMS-ARCHIVE** **1000240982**
North **1920 E IMPERIAL HWY** **CORRACTS** **CAD060897063**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.764 mi. **RCRA-LQG**
4034 ft. **Site 1 of 2 in cluster AE** **US INST CONTROL**
CA CERS HAZ WASTE

Relative: Lower

CA SWEEPS UST
US FIN ASSUR

Actual: 106 ft.

2020 COR ACTION
CA ICE
CA LOS ANGELES CO. HMS
CA HWP
CA CERS

SEMS Archive:

Site ID:	0903305
EPA ID:	CAD060897063
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0903305
EPA ID:	CAD060897063
Site Name:	HUGHES AIRCRAFT CO S&CG
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported

THE BOEING COMPANY (Continued) **1000240982**

Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903305
EPA ID: CAD060897063
Site Name: HUGHES AIRCRAFT CO S&CG
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903305
EPA ID: CAD060897063
Site Name: HUGHES AIRCRAFT CO S&CG
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-03-08 05:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20170607
Action: CA999RM - Corrective Action Process Terminated, Remedial Activities Completed
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20170612
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20170606
Action: CA550RC
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20170611
Schedule end date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20170605
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20160428
Schedule end date: 20170610

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20170605
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20160604
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20170605
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20160604
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20160419
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20160424
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130627
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20130608
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130613
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

THE BOEING COMPANY (Continued) **1000240982**

NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20100921
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 07/31/2018
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W S01 D381
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-416-5680
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/18/2016
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

Date form received by agency: 03/01/2014
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 12/19/2012
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 08/21/2012
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 06/22/2010
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/25/2008
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/23/2006
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/16/2000
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992

THE BOEING COMPANY (Continued) **1000240982**

Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

THE BOEING COMPANY (Continued) **1000240982**

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 1107

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 141821

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 8132

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1028

THE BOEING COMPANY (Continued) **1000240982**

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2088

Waste code: D008
Waste name: LEAD
Amount (Lbs): 49159

Waste code: D011
Waste name: SILVER
Amount (Lbs): 10402

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 118

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

THE BOEING COMPANY (Continued) **1000240982**

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 02/27/1991
Event: LEAD AGENCY DETERMINATION

Event date: 02/27/1991
Event: PA OR CERCLA INSPECTION

Event date: 02/27/1991
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/01/1992
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 08/14/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 08/14/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 09/21/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/13/2013
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/27/2013
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 04/19/2016
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/06/2017
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 06/07/2017
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

THE BOEING COMPANY (Continued) **1000240982**

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/2013
Date achieved compliance: 09/20/2013
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/16/2006
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/18/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/30/2004
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/22/1996
Date achieved compliance: 01/01/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/22/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/29/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/09/1993
Date achieved compliance: 05/19/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/15/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/10/1992
Date achieved compliance: 12/22/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/17/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/24/1988
Date achieved compliance: 05/02/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1988
Date achieved compliance: 05/13/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/20/2013
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 08/17/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/20/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/28/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/16/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 04/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 06/23/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 10/23/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/01/1997
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 04/09/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/19/1993
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: 12/22/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1988
Evaluation lead agency: State

Evaluation date: 02/08/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 07/31/2018
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

THE BOEING COMPANY (Continued) **1000240982**

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W S01 D381
LOS ANGELES, CA 90009

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator country: US
Owner/operator telephone: 310-416-5680
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/18/2016
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 12/19/2012
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 08/21/2012
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 06/22/2010
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/25/2008
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/23/2006
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

Date form received by agency: 02/27/2004
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/16/2000
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

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1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

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Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	1107
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	141821
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	8132
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	1028
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	2088
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	49159
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	10402
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	118
Waste code:	F003

THE BOEING COMPANY (Continued) **1000240982**

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:

Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 02/27/1991
Event: LEAD AGENCY DETERMINATION

Event date: 02/27/1991
Event: PA OR CERCLA INSPECTION

Event date: 02/27/1991
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/01/1992
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 08/14/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO

THE BOEING COMPANY (Continued) **1000240982**

STABILIZATION

Event date: 08/14/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 09/21/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/13/2013
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/27/2013
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 04/19/2016
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/05/2017
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 06/06/2017
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 06/07/2017
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/2013
Date achieved compliance: 09/20/2013
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/16/2006
Date achieved compliance: 04/23/2007
Violation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/18/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/30/2004
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/22/1996
Date achieved compliance: 01/01/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/22/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/29/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/09/1993
Date achieved compliance: 05/19/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action date: 04/15/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/10/1992
Date achieved compliance: 12/22/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/17/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/24/1988
Date achieved compliance: 05/02/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/1988

THE BOEING COMPANY (Continued) **1000240982**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1988
Date achieved compliance: 05/13/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/2013

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/20/2013
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/17/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/20/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 10/28/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/16/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 04/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/2005

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 06/23/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 01/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/01/1997
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 04/09/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/19/1993
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/22/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1988
Evaluation lead agency: State

Evaluation date: 02/08/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

US INST CONTROL:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Site ID: Not reported
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Action Completion Date: 01/01/1900
Actual Date: 06/05/2017
Contaminated Media: Not reported
Institutional Control: Not reported
Event Code: CA772PR
Contact Name: JERROD NEWLANDER
Contact Telephone: 310-345-8778
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

CERS HAZ WASTE:
Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Chemical Management

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Waste Generator

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: RCRA LQ HW Generator

THE BOEING COMPANY (Continued) **1000240982**

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 13534
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013534-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

US FIN ASSUR:
EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 8000000
Face value: 8000000
Effective date: 2007-04-27 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 403000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 8000000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT

THE BOEING COMPANY (Continued) **1000240982**

Cost estimate: 403000
Face value: 424000
Effective date: 2011-03-09 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

2020 COR ACTION:
EPA ID: CAD060897063
Region: 9
Action: Remedy Construction

ICE:
Envirostor ID: 3000044
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD060897063
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/17/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/15/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/20/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal

THE BOEING COMPANY (Continued) **1000240982**

Action Date: 06/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/20/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/16/2006
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/23/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/28/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2004
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/23/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/17/2010
Violation Class: No Violations

THE BOEING COMPANY (Continued) **1000240982**

RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/06/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/01/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/30/2015
Violation Class: No Violations
RTC Date: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013223-013534
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005161T
Permit Status: Closed

HWP:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
EPA Id: CAD060897063
Cleanup Status: CLOSED
Latitude: 33.93048
Longitude: -118.3946
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: EDWARD NIETO
Supervisor: HAI-YONG KANG
Site Code: 300215
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 04/10/2007

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 01/28/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/06/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/03/1990

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/13/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 11/30/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 06/02/2002

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

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Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 12/02/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/10/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/06/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 04/10/2017

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/14/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 10/13/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/01/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 11/05/1991

Closure:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 12/07/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/08/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/24/1996

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/01/1993

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN7-S34
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/15/2014

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/19/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/21/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/27/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/06/1993

Alias:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609672

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)

THE BOEING COMPANY (Continued) **1000240982**

Alias: 300215

CERS:
Name: BOEING SATELLITE SYS
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Site ID: 335217
CERS ID: 80001440
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: Vu Nguyen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CHATSWORTH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Site ID: 216674
CERS ID: CAD060897063
CERS Description: Hazardous Waste

Evaluation:
Eval General Type: Information Request
Eval Date: 02-19-2008
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2008
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

THE BOEING COMPANY (Continued) **1000240982**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2006
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2007
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Information Request
Eval Date:	05-12-2005
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Information Request
Eval Date:	05-16-2006
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-23-2005
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-23-2004
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Information Request
Eval Date:	06-28-2007

THE BOEING COMPANY (Continued) **1000240982**

Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	06-30-2004
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	07-06-2012
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	07-20-2010
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-17-2010
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	08-20-2009
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2009
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection

THE BOEING COMPANY (Continued) **1000240982**

Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-01-2013
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	10-23-2008
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2008
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2000
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2015
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	12-15-2000
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF

THE BOEING COMPANY (Continued) **1000240982**

Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2011
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: The Boeing Company
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900090000
Affiliation Phone: 3103458778

Affiliation Type Desc: Facility Contact
Entity Name: JERROD NEWLANDER
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90009
Affiliation Phone: 3103458778

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 02-23-2017
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 03/13/2017. The inspection log did not have any records for the month of February, 2017. Failure to document daily inspections of the waste tanks. The facility did not have any inspections records for the daily tank inspections for the month of February. There were good records for all other past months. The tanks shall be inspected each day of operation and those inspections shall be documented.
Violation Division: El Segundo City Fire Department

THE BOEING COMPANY (Continued) **1000240982**

Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	08-20-2013
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	RCRA Large Quantity Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/20/2013.
Violation Division:	El Segundo City Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	02-23-2017
Citation:	22 CCR 15 66265.196 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.196
Violation Description:	Failure to immediately remove from service a tank system or secondary containment system from which there has been a leak, spill, is unfit for use and comply with applicable requirements.
Violation Notes:	Returned to compliance on 03/23/2017. Failure to ensure there were no leaks in the tank containment area. Liquid was in the containment area and was being removed. The liquid could have been rainwater or waste water. The containment area shall be kept free of spills and maintained dry.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	08-20-2013
Citation:	HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/20/2013. Training documentation required for Clean Harbors.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	02-23-2017
Citation:	22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 03/23/2017. Failure to store hazardous waste in a manner that protects from a release. The plating process line had drag-out liquid collecting on the containment floor. The facility is not meeting the DTSC's guideline for wet floor management at plating

THE BOEING COMPANY (Continued) **1000240982**

facilities. Any spills in the plating area shall be removed by the end of each shift. The facility shall follow the wet floor guidance document. The document can be found at www.dtsc.ca.gov.

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility is meeting the requirements for the Business Plan and the information in CERS is current.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection of new gold cyanide plating line with remote cameras installed for monitoring and remote viewing.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Boeing is a large quantity generator and has closed its TSFD facility.
Eval Division: El Segundo City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Hazardous wastes generated are stored in concrete bunker
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2017

THE BOEING COMPANY (Continued) **1000240982**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	This inspection was originally conducted on February 22, 2017 with Anu Garg. all items were inspected on the original report and this report is only to meet RCRA reporting requirements.
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The CalARP is complete and no deficiencies were identified.
Eval Division:	El Segundo City Fire Department
Eval Program:	CalARP
Eval Source:	CERS

Coordinates:

Site ID:	160608
Facility Name:	The Boeing Company - S15
Env Int Type Code:	CalARP
Program ID:	10206970
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.930390
Longitude:	-118.393720

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Parent Corporation
Entity Name:	Boeing Satellite System Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Anu Garg
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

THE BOEING COMPANY (Continued) **1000240982**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	CRAIG DAVIS
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Anu Garg
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90009-2919
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Operator
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported

AE156 **BOEING SATELLITE SYSTEMS INC** **CA ENVIROSTOR 1006816013**
North **1920 E IMPERIAL HWY** **CA DEED N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.764 mi.
4034 ft. **Site 2 of 2 in cluster AE**

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Name:	BOEING SATELLITE SYSTEMS INC
Address:	1920 E IMPERIAL HWY
City,State,Zip:	EL SEGUNDO, CA 902452701
Facility ID:	80001440
Status:	Active
Status Date:	01/01/2008
Site Code:	300215
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	52
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Vu Nguyen
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93048
Longitude:	-118.3946
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Freon 113
Confirmed COC:	Freon 113
Potential Description:	OTH
Alias Name:	CAD060897063
Alias Type:	EPA Identification Number
Alias Name:	110000609672
Alias Type:	EPA (FRS #)
Alias Name:	300215
Alias Type:	Project Code (Site Code)
Alias Name:	80001440
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	08/14/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	06/01/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Document Type: Consent Order
Completed Date: 11/16/2006
Comments: Signed CACA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: LUC signed by both parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/24/2013
Comments: Cost estimate for 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 06/07/2017
Comments: No further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 06/28/2016
Comments: Not reported

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2015
Comments: Uploaded and mailed out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/06/2017
Comments: EI is met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/28/2016
Comments: NOE Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 02/21/2019
Comments: Corrective action termination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/08/2012
Comments: DTSC approves the HRA Report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 08/07/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/18/2013
Comments: Document reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comments. Results from the report will be used to recommend corrective action termination.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/24/2014
Comments: Not reported

Completed Area Name: Building 17
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/19/2016
Comments: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/07/2010
Comments: Facility submitted one workplan that was approved as a final on 1/7/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 04/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 07/18/2008
Comments: This is a final addendum workplan 1 with clarifications from previous meetings.

Completed Area Name: PROJECT WIDE

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/04/2008
Comments: This workplan was approved in Sept. 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/28/2012
Comments: Approved with RFI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/19/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2013
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/05/2017
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/05/2017
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/05/2017
File Name: Envirostor Land Use Restrictions

AF157 **ROCKWELL INT'L CORP/EL SEGUNDO** **CA ENVIROSTOR S100943688**
NE **827 N DOUGLAS** **CA HWP N/A**
1/2-1 **EL SEGUNDO, CA 90009**
0.800 mi.
4224 ft. **Site 1 of 3 in cluster AF**

Relative: **Lower**
Actual: **103 ft.**

ENVIROSTOR:
Name: ROCKWELL INT'L CORP/EL SEGUNDO
Address: 827 N DOUGLAS
City,State,Zip: EL SEGUNDO, CA 900090000
Facility ID: 80001734
Status: No Further Action
Status Date: 06/19/2013
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Katherine Gould
Supervisor: * James Pappas
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92766
Longitude: -118.3832
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Alias Name: CAD097855126
Alias Type: EPA Identification Number
Alias Name: 80001734
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 05/30/1994
Comments: CAD 093 365 435 - SSFL Area I/III Boeing, CA1 800 090 010 - SSFL Area II NASA and Boeing, CAD 000 629 972 - SSFL Area IV USDOE and Boeing, CA3 890 090 001 - SSFL Area IV USDOE-ETEC, Instrument: Consent Order for CA. LA 9/11/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/04/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/02/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: ROCKWELL INT'L CORP/EL SEGUNDO
Address: 827 N DOUGLAS
City,State,Zip: EL SEGUNDO, CA 900090000
EPA Id: CAD097855126
Cleanup Status: CLOSED
Latitude: 33.92766
Longitude: -118.3832
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1988

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/01/1989

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/02/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/25/1983

Closure:

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/15/1994

AF158 **ROCKWELL INTERNATIONAL** **CORRACTS** **1015757279**
NE **815 LAPHAM ST** **RCRA-TSDF** **CAD097855126**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-SQG**
0.800 mi. **PADS**
4224 ft. **Site 2 of 3 in cluster AF** **NY MANIFEST**

Relative:
Lower

Actual:
103 ft.

CORRACTS:
EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940530
Action: CA050 - RFA Completed
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940530
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/01/1996
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED

ROCKWELL INTERNATIONAL (Continued) **1015757279**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: ROCKWELL INTERNATIONAL
Classification: Small Quantity Generator

Date form received by agency: 03/23/1994
Site name: ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: ROCKWELL INTL CORP/EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 04/13/1990
Site name: ROCKWELL INTERNATIONAL CORPEL SEG
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ROCKWELL INTERNATIONAL
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 11/04/1993
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 12/03/1993
Event: CA PRIORITIZATION-LOW CA PRIORITY

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Event date: 05/30/1994
Event: RFA COMPLETED

Event date: Not reported
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/28/1990
Date achieved compliance: 12/04/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/04/1992
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: ROCKWELL INTERNATIONAL
Classification: Small Quantity Generator

Date form received by agency: 03/23/1994
Site name: ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: ROCKWELL INTL CORP/EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 04/13/1990
Site name: ROCKWELL INTERNATIONAL CORPEL SEG
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ROCKWELL INTERNATIONAL
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 11/04/1993
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 12/03/1993
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 05/30/1994
Event: RFA COMPLETED

Event date: Not reported
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/28/1990
Date achieved compliance: 12/04/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/04/1992
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Evaluation lead agency: State

Evaluation date: 01/16/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PADS:
EPAID: CAD097855126
Facility name: ROCKWELL INTL CORP EL SEGUNDO
Facility Address: 827 N DOUGLAS ST
EL SEGUNDO, CA 90245
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: ROCKWELL INTL CORP (NAA)
Contact title: Not reported
Contact name: RICHARD S SHE
Contact tel: 213-647-2828
Contact extension: Not reported
Contact Email: Not reported
Mailing address: PO BOX 92098
LOS ANGELES, CA 90009
Mailing country: US
Cert. date: 03/28/1990

NY MANIFEST:
Name: ROCKWELL INTERNATIONAL
Address: 815 LAPHAM ST
City,State,Zip: EL SEGUNDO, CA 90245
Country: USA
EPA ID: CAD097855126
Facility Status: Not reported
Location Address 1: P O BOX 92098
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: LOS ANGELES
Location State: CA
Location Zip: 90009
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD097855126
Mailing Name: ROCKWELL INTERNATIONAL
Mailing Contact: JOHN WISKOSKI II
Mailing Address 1: P O BOX 92098
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 90009
Mailing Zip 4: Not reported
Mailing Country: USA

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Mailing Phone: 3106472271

NY MANIFEST:

Document ID:	NYB2436678
Manifest Status:	K
seq:	Not reported
Year:	1992
Trans1 State ID:	306432
Trans2 State ID:	11343P
Generator Ship Date:	03/09/1992
Trans1 Recv Date:	03/09/1992
Trans2 Recv Date:	03/12/1992
TSD Site Recv Date:	03/25/1992
Part A Recv Date:	04/06/1992
Part B Recv Date:	04/22/1992
Generator EPA ID:	CAD097855126
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00034
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

AF159 **ROCKWELL INTERNATIONAL CO** **CA ENVIROSTOR** **S101296159**
NE **827 DOUGLAS** **CA CPS-SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA SCH**
0.800 mi. **CA HIST CORTESE**
4224 ft. **Site 3 of 3 in cluster AF** **CA CERS**

Relative: **Lower**
Actual: **103 ft.**

ENVIROSTOR:

Name:	WISEBURN HIGH SCHOOL - CAMPUS
Address:	827 NORTH DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001621
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Site Code:	304639
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene Lead Methane Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs TPH-diesel
Confirmed COC:	30003-NO 30013-NO 30015-NO 30024-NO 40002-NO 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015
Alias Type:	APN
Alias Name:	4138-030-023
Alias Type:	APN
Alias Name:	4138-030-024
Alias Type:	APN
Alias Name:	4138-030-025
Alias Type:	APN
Alias Name:	304639

ROCKWELL INTERNATIONAL CO (Continued) **S101296159**

Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/01/1998
Global Id: SL204741664
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.927493
Longitude: -118.382285
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0577
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

ROCKWELL INTERNATIONAL CO (Continued) **S101296159**

Click here to access the California GeoTracker records for this facility:

SCH:

Name:	WISEBURN HIGH SCHOOL - CAMPUS
Address:	827 NORTH DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001621
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304639
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene, Lead, Methane, Naturally Occurring Asbestos (NOA, Polychlorinated biphenyls (PCBs, TPH-diesel
Confirmed COC:	30003-NO, 30013-NO, 30015-NO, 30024-NO, 40002-NO, 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015
Alias Type:	APN
Alias Name:	4138-030-023
Alias Type:	APN
Alias Name:	4138-030-024
Alias Type:	APN
Alias Name:	4138-030-025
Alias Type:	APN

ROCKWELL INTERNATIONAL CO (Continued) **S101296159**

Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
edr_fname: ROCKWELL INTERNATIONAL CO
edr_fadd1: 827 DOUGLAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09539

CERS:
Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA
Site ID: 234447
CERS ID: SL204741664
CERS Description: Cleanup Program Site

160
East
1/2-1
0.805 mi.
4248 ft.

WEST COMPLEX FACILITY
1 HORNET WAY
EL SEGUNDO, CA 90245

CA HWP
CA NPDES
CA WDS
CA CIWQS
CA CERS

S105256477
N/A

Relative:
Lower

Actual:
97 ft.

HWP:

Name:	NORTHROP GRUMMAN EL SEGUNDO
Address:	1 HORNET WAY
City,State,Zip:	EL SEGUNDO, CA 90245
EPA Id:	CAD000627273
Cleanup Status:	CLOSED
Latitude:	33.92375
Longitude:	-118.3802
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	06/30/1983

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	03/15/1983

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	06/03/1983

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	08/10/1984

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	10/18/1984

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	10/18/1989

WEST COMPLEX FACILITY (Continued) **S105256477**

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 09/30/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/13/1987

Closure:

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

NPDES:

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I006362
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active

WEST COMPLEX FACILITY (Continued) **S105256477**

Status Date:	04/24/1992
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189616
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Northrop Grumman Corp
Discharge Address:	PA12 1 Hornet Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp

WEST COMPLEX FACILITY (Continued) **S105256477**

Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar
Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189616
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I006362

WEST COMPLEX FACILITY (Continued) **S105256477**

Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PA12 1 Hornet Ave
Discharge Name:	Northrop Grumman Corp
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189616
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Northrop Grumman Corp
Discharge Address:	PA12 1 Hornet Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar
Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

WDS:

Name:	WEST COMPLEX FACILITY
Address:	1 Hornet Way
City:	EL SEGUNDO
Facility ID:	4 19I006362
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3103315418
Facility Contact:	Jennifer Sasaki
Agency Name:	NORTHROP GRUMMAN CORP. MASD
Agency Address:	One Hornet Way MS PA12/W9
Agency City,St,Zip:	El Segundo 90245
Agency Contact:	Jennifer Sasaki
Agency Telephone:	3103315418
Agency Type:	Private
SIC Code:	3721
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WEST COMPLEX FACILITY (Continued) **S105256477**

CIWQS:

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Northrop Grumman Corp
Agency Address:	PA12 1 Hornet Ave, El Segundo, CA 90245
Place/Project Type:	Industrial - Aircraft
SIC/NAICS:	3721
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I006362
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/24/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91944
Longitude:	-118.37927

CERS:

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	352157
CERS ID:	273694
CERS Description:	NPDES Wastewater and Stormwater

Violations:

Site ID:	352157
Site Name:	Northrop Grumman Mil Air Sys
Violation Date:	12-22-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance during the inspection.
Eval Division:	Water Boards

WEST COMPLEX FACILITY (Continued) **S105256477**

Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Name: NORTHROP GRUMMAN EL SEGUNDO
Address: 1 HORNET WAY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 229640
CERS ID: CAD000627273
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: Northrop Grumman Corporation
Entity Title: Not reported
Affiliation Address: 2980 FAIRVIEW PARK DR
Affiliation City: FALLS CHURCH
Affiliation State: VA

WEST COMPLEX FACILITY (Continued) **S105256477**

Affiliation Country: Not reported
Affiliation Zip: 220420000
Affiliation Phone: 7032802529

Affiliation Type Desc: Facility Contact
Entity Name: Sulaman Ahmed
Entity Title: Not reported
Affiliation Address: ONE HORNET WAY PA14/W2
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: 3103327275

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 352157
CERS ID: 273694
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Violation Date: 12-22-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit

WEST COMPLEX FACILITY (Continued) **S105256477**

evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:

Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

161
ENE
1/2-1
0.815 mi.
4301 ft.

NORTHROP GRUMMAN CORP (WC) **CA ENVIROSTOR** **S103672582**
800 NO DOUGLAS **N/A**
LOS ANGELES, CA 90250

Relative:
Lower

Actual:
99 ft.

ENVIROSTOR:

Name: NORTHROP GRUMMAN CORP (WC)
Address: 800 NO DOUGLAS
City,State,Zip: LOS ANGELES, CA 902500000
Facility ID: 80001311
Status: Inactive - Needs Evaluation
Status Date: 11/01/2018
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Maria Fabella
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Latitude: 33.92375
Longitude: -118.3802
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000627273
Alias Type: EPA Identification Number
Alias Name: 80001311
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/21/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

162
SE
1/2-1
0.837 mi.
4422 ft.

Relative:
Lower

Actual:
92 ft.

H. KRAMER & CO.
1 CHAPMAN
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S101540204**
CA CPS-SLIC **N/A**
CA ENF
LA Co. Site Mitigation
CA CIWQS
CA CERS

ENVIROSTOR:
Name: H KRAMER & CO - CALIFORNIA DIVISION
Address: 1 CHAPMAN WAY
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19330144
Status: Refer: Other Agency
Status Date: 08/19/1991
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical

H. KRAMER & CO. (Continued) **S101540204**

Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.9075
Longitude: -118.3833
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HOUSEHOLD WASTES * Metals - Other Inorganic Solid Waste Asbestos Containing Materials (ACM * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008260267
Alias Type: EPA Identification Number
Alias Name: 300273
Alias Type: Site Code - Historical
Alias Name: 19330144
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/14/1982
Comments: Facility identified from telephone book search;questionnaire sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/20/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/20/1991
Comments: Tetra Tech submitted a preliminary endangerment assessment (environmental assessment) report to the Dept prepared for the rail construction corporation which plans to build a portion of the Los Angeles County Transportation Commission Metro Green Line Project across the identified haz waste property of H. Kramer facility. Tetra Tech provided the proposed construction plan in the PEA. The RP paid the PEA fees to the Dept. PEA was completed. PEA concluded that the site should be referred to U.S. EPA for further action because it is currently on CERCLIS. Currently, EPA is the lead agency for further action.

Completed Area Name: PROJECT WIDE

H. KRAMER & CO. (Continued) **S101540204**

Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/03/1991
Comments:	Sample Results: Slag Pile = PB 2500 mg/kg, CU 53800, BE 230, ZN 76000, AS 17, PB WET 259; Soil = AS 2800 mg/kg, BE 18, CU 1700, PB 420, ZN 76; Groundwater = AS 140 mg/kg, CR6 .23, SE .24, PCE 200 ug/l, TCE 370, Toluene 270, Xylene 300, Carbon Tet 43 (from ENSR Report to EPA, February 1990). Site Screening Done: Site is a brass foundry contaminated w/ AS, PB, ZN, CU. Possible Asbestos in furnace area. Slag pile is primary source. Previous Company had evaporation pond. AS & Solvents in groundwater probably from pond. Pond is now filled with slag.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	05/16/1988
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	12/10/2012
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Name:	H. KRAMER AND CO
Address:	1 CHAPMAN WAY
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	STATE
Facility Status:	**Open - Verification Monitoring**
Status Date:	10/19/2015
Global Id:	SL204011483
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9088481633157
Longitude:	-118.384860767212
Case Type:	Cleanup Program Site
Case Worker:	SR
Local Agency:	Not reported
RB Case Number:	0425
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern:	Not reported
Site History:	H. Kramer & Company operated a brass foundry at the Site from 1951 through mid-1985. Slag generated from site operations was disposed in a waste pile, filling. Operations by a previous owner, Harshaw

H. KRAMER & CO. (Continued) **S101540204**

Chemical Company (Harshaw), included the smelting of antimony. Harshaw generated wastes containing heavy metals, which included arsenic. With the exception of the building foundations in the southwest portion of the Site, all structures have been demolished. Regional Board issued Cleanup and Abatement Order No. 92-094 (CAO). The CAO stated the following: The concrete /asphalt cap was selected as remedy and installed at the Site in 1995 to eliminate the direct contact pathways and to minimize infiltration of surface water into the subsurface soil.Case was closed conditionally in 1995. Site is under post remediation long term monitoring program. However, based on the available data, Regiona Bord staff asked H. Kramer to conduct additional Investigation to find another source of VOCs. New investigation (June 2009) data indicates another VOCs offsite groundwater (from up-gradient [north of the site]) plume may contributed to the onsite groundwater. Aditional groundwater investigation is required by RP.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Post Remediation Monitoring
SLIC:	0425
Substance:	Metal
Staff:	PGN

ENF:

Name:	KRAMER & CO. & HARSHAW CHEMICAL
Address:	1 CHAPMAN WAY
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	4
Facility Id:	235599
Agency Name:	Kramer & Company & Harshaw Chemical
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.908127
Place Longitude:	-118.384715
SIC Code 1:	281
SIC Desc 1:	Industrial inorganic chemicals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3

H. KRAMER & CO. (Continued) **S101540204**

Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	WDR
# Of Programs:	1
WDID:	4B191281001
Reg Measure Id:	135010
Reg Measure Type:	WDR
Region:	4
Order #:	94-031
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Active
Status Date:	03/21/2014
Effective Date:	04/04/1994
Expiration/Review Date:	03/31/2009
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	220202
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/28/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/28/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO - 4B191281001
Description:	NEED ACTION IMMEDIATELY.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

H. KRAMER & CO. (Continued) **S101540204**

Liability $ Paid: 0
Project $ Completed: 0
Total $ Paid/Completed Amount: 0

LA Co. Site Mitigation:
Name: H KRAMER & COMPANY
Address: 1 CHAPMAN WAY
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Status: Not reported
Site ID: SD0010165
Jurisdiction: County
Case ID: RO0000427
Abated: Yes
Assigned To: Not reported
Entered Date: 05/11/2004
Abated Date: 01/26/1998

CIWQS:
Name: KRAMER & CO. & HARSHAW CHEMICAL
Address: 1 CHAPMAN WAY
City,State,Zip: EL SEGUNDO, CA 90245
Agency: Kramer & Company & Harshaw Chemical
Agency Address: 1 Chapman Way, El Segundo, CA 90245
Place/Project Type: Manufacturing NEC
SIC/NAICS: 281
Region: 4
Program: LNDISPOTH
Regulatory Measure Status: Active
Regulatory Measure Type: WDR
Order Number: 94-031
WDID: 4B191281001
NPDES Number: Not reported
Adoption Date: 04/04/1994
Effective Date: 04/04/1994
Termination Date: Not reported
Expiration/Review Date: 03/31/2009
Design Flow: 0
Major/Minor: Not reported
Complexity: B
TTWQ: 3
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.908127
Longitude: -118.384715

CERS:
Name: H. KRAMER AND CO
Address: 1 CHAPMAN WAY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 235404
CERS ID: SL204011483
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker

H. KRAMER & CO. (Continued) **S101540204**

Entity Name:	STEVE ROWE - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

163
North
1/2-1
0.870 mi.
4595 ft.

Relative:
Lower

Actual:
107 ft.

GARRETT AVIATION SVCS. - CFC AVIATION SVCS.
6201 W. IMPERIAL HIGHWAY
LOS ANGELES, CA 90045

CA ENVIROSTOR
CA CERS HAZ WASTE
CA CERS TANKS
CA EMI
CA HAZNET
CA HAZMAT
LA Co. Site Mitigation
CA CERS

1006824524
N/A

ENVIROSTOR:

Name:	GARRETT AVIATION SVCS. - CFC AVIATION SVCS.
Address:	6201 W. IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	71003574
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93148
Longitude:	-118.4187
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA0000546630
Alias Type:	EPA Identification Number
Alias Name:	110017207618
Alias Type:	EPA (FRS #)
Alias Name:	71003574
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: Hazardous Waste Generator

Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: RCRA LQ HW Generator

CERS TANKS:
Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: Aboveground Petroleum Storage

EMI:
Name: UNC/CFC ACQUISITN
Address: 6201 W IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNC/CFC ACQUISITN
Address: 6201 W IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNC/CFC ACQUISITN
Address: 6201 W IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNC/CFC ACQUISITN
Address: 6201 W IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7718617337
Reactive Organic Gases Tons/Yr:	1.67376
Carbon Monoxide Emissions Tons/Yr:	1.58604
NOX - Oxides of Nitrogen Tons/Yr:	1.95648
SOX - Oxides of Sulphur Tons/Yr:	0.08732
Particulate Matter Tons/Yr:	0.044683797
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04295936512

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6604989273
Reactive Organic Gases Tons/Yr:	2.51259
Carbon Monoxide Emissions Tons/Yr:	1.46672
NOX - Oxides of Nitrogen Tons/Yr:	2.24845
SOX - Oxides of Sulphur Tons/Yr:	0.1075
Particulate Matter Tons/Yr:	0.03498
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.03365262

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.54234517433
Reactive Organic Gases Tons/Yr: 0.391705877
Carbon Monoxide Emissions Tons/Yr: 1.29
NOX - Oxides of Nitrogen Tons/Yr: 1.65478
SOX - Oxides of Sulphur Tons/Yr: 0.07051
Particulate Matter Tons/Yr: 0.00881393017
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0072335705468

Name: GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2017
County Code: 19
Air Basin: SC
Facility ID: 155828
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.75716230816
Reactive Organic Gases Tons/Yr: 0.5544672
Carbon Monoxide Emissions Tons/Yr: 1.26
NOX - Oxides of Nitrogen Tons/Yr: 1.951
SOX - Oxides of Sulphur Tons/Yr: 0.0803326
Particulate Matter Tons/Yr: 0.0123892368
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.010523467328

HAZNET:
Name: LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 900456306
Year: 2017
GEPAID: CAL000330366
Contact: SHAWN A. BEAVER
Telephone: 3104109605
Mailing Name: Not reported
Mailing Address: 6201 W IMPERIAL HWY
Mailing City,St,Zip: LOS ANGELES, CA 900456306
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Tons: 0.2
CA Waste Code: 352-Other organic solids
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 900456306
Year: 2017
GEPAID: CAL000330366
Contact: SHAWN A. BEAVER
Telephone: 3104109605
Mailing Name: Not reported
Mailing Address: 6201 W IMPERIAL HWY

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Mailing City,St,Zip: LOS ANGELES, CA 900456306
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Tons: 0.035
CA Waste Code: 352-Other organic solids
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Name: LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 900456306
Year: 2017
GEPAID: CAL000330366
Contact: SHAWN A. BEAVER
Telephone: 3104109605
Mailing Name: Not reported
Mailing Address: 6201 W IMPERIAL HWY
Mailing City,St,Zip: LOS ANGELES, CA 900456306
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 0.38
CA Waste Code: 221-Waste oil and mixed oil
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

LOS ANGELES HM:
Name: STANDARD AERO BUSINESS AVIATION
Address: 6201 W IMPERIAL HWY # A
City,State,Zip: LOS ANGELES, CA 90045
Facility ID: FA0025358
Last Run Date: 06/01/2019
Status: INACTIVE

Name: SIGNATURE FLIGHT SUPPORT
Address: 6201 W IMPERIAL HWY # B
City,State,Zip: LOS ANGELES, CA 90045
Facility ID: FA0024101
Last Run Date: 06/01/2019
Status: ACTIVE

LA Co. Site Mitigation:
Name: ALLIED SIGNAL AEROSPACE CO.
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Facility ID: FA0014246
Status: Not reported
Site ID: SD0010286
Jurisdiction: Not reported
Case ID: RO0010286
Abated: Yes
Assigned To: RS
Entered Date: Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Abated Date: 01/01/1991

CERS:
Name: GARRETT AVN SVCS LLC DBA STANDARD AERO
Address: 6201 WEST IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045-6306
Site ID: 469525
CERS ID: 110017207618
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: PETER CHUNG
Entity Title: SR. EHS/FACILITY MANAGER
Affiliation Address: 6201 W IMPERIAL HIGHWAY
Affiliation City: LOSANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: PETER CHUNG
Entity Title: SR. EHS/FACILITY MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: assisting business with gaining compliance in CERS
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: Anthony Oderlin THIS FACILITY IS ALMOST ENTIRELY VACATED. ALL APSA TANKS HAVE BEEN REMOVED. ALL REPORTABLE ITEMS IN CERS HAVE BEEN REMOVED. REPORTABLE QUANTITIES OF

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

PROPANE WILL REMAIN ON SITE UNTIL MAY 9TH TO OPERATE THE FORK LIFTS. REPORTABLE QUANTITIES OF OXYGEN AND ACETYLENE WERE FOUND ON SITE HOWEVER, ANTHONY ODERLIN OF STANDARD AERO, STATES THAT THESE TANKS BELONG TO THE NEW TENANT. FOLLOW UP ON THE NEW TENANTS WILL BE CONDUCTED WITH SHAWN BEAVER OF SIGNATURE FLIGHTS, THE CURRENT LEASE HOLDER. THIS FACILITY HAS BEEN REFERRED TO OUR DATA MANAGEMENT UNIT TO BE DEACTIVATED NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Anthony Oderlin Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: THIS FACILITY IS ALMOST ENTIRELY VACATED. ALL APSA TANKS HAVE BEEN REMOVED. ALL REPORTABLE ITEMS IN CERS HAVE BEEN REMOVED. REPORTABLE QUANTITIES OF PROPANE WILL REMAIN ON SITE UNTIL MAY 9TH TO OPERATE THE FORK LIFTS. REPORTABLE QUANTITIES OF OXYGEN AND ACETYLENE WERE FOUND ON SITE HOWEVER, ANTHONY ODERLIN OF STANDARD AERO, STATES THAT THESE TANKS BELONG TO THE NEW TENANT. FOLLOW UP ON THE NEW TENANTS WILL BE CONDUCTED WITH SHAWN BEAVER OF SIGNATURE FLIGHTS, THE CURRENT LEASE HOLDER. THIS FACILITY HAS BEEN REFERRED TO OUR DATA MANAGEMENT UNIT TO BE DEACTIVATED NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMISSION TO INSPECT GRANTED BY PETER CHUNG PETER.CHUNG@STANDARDAERO.COM
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMISSION TO INSPECT GRANTED BY PETER CHUNG PETER.CHUNG@STANDARDAERO.COM
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-29-2007
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: LA Co Inspector
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2010
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Los Angeles County
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Out of Business at this location - Landmark Aviation has taken the space previously occupied by Standard Aero.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Peter Chung, Environmental Health & Safety Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 6201 W IMPERIAL HWY
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90045-6323
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Peter Chung
Entity Title: Not reported
Affiliation Address: 6201 W IMPERIAL HWY
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90045
Affiliation Phone: Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Affiliation Type Desc:	Legal Owner
Entity Name:	GARRETT AVIATION SERVICES
Entity Title:	Not reported
Affiliation Address:	6201 W IMPERIAL HWY
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90045-6323
Affiliation Phone:	(310) 568-3700

Affiliation Type Desc:	Operator
Entity Name:	Standardaero
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 568-3700

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680

Affiliation Type Desc:	Parent Corporation
Entity Name:	GARRETT AVIATION SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

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164 **NORTH AMERICAN AIRCRAFT** **CA ENVIROSTOR** **S107736912**
NNE **N/A**
1/2-1 **INGLEWOOD, CA**
0.880 mi.
4645 ft.

Relative: **Lower**
Actual: **101 ft.**

ENVIROSTOR:

Name:	NORTH AMERICAN AIRCRAFT
Address:	Not reported
City,State,Zip:	INGLEWOOD, CA
Facility ID:	80000838
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3888
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F995900
Alias Type: Federal Facility ID
Alias Name: J09CA7136
Alias Type: INPR
Alias Name: 80000838
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: NORTH AMERICAN AIRCRAFT
Address: Not reported
City,State,Zip: INGLEWOOD, CA
Facility ID: 80000839
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.93111
Longitude: -118.3875
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996000
Alias Type: Federal Facility ID
Alias Name: J09CA7137
Alias Type: INPR
Alias Name: 80000839
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 10/07/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

165
ENE
1/2-1
0.880 mi.
4649 ft.

Relative:
Lower

Actual:
98 ft.

NORTHROP GRUMMAN EL SEGUNDO **SEMS-ARCHIVE** **1000840757**
1 HORNET WAY **CORRACTS** **CAD000627273**
EL SEGUNDO, CA 90245 **RCRA-TSDF**
RCRA-LQG
ICIS
US AIRS
FINDS
ECHO

SEMS Archive:
Site ID: 0903329
EPA ID: CAD000627273
Cong District: 27
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0903329

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-28 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903329
EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-28 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903329
EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-11-07 05:00:00
Finish Date: 1989-11-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920327
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000627273

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900521
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 04/19/2018
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: SULAMAN AHMED
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-332-7275
Contact email: SULAMAN.AHMED@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 01/29/2016
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date form received by agency: 03/09/2012
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 02/04/2010
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 02/29/2008
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/27/2006
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 03/04/2004
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/10/1998
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 09/01/1996
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/28/1992
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 271

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: SILVER

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 58750

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6660

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 231640

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 297248

Waste code: D011
Waste name: SILVER
Amount (Lbs): 40685

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 286725

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35260

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 05/21/1990
Event: PA OR CERCLA INSPECTION

Event date: 05/21/1990
Event: NCAPS RANKING/PRIORITY

Event date: 05/21/1990
Event: LEAD AGENCY DETERMINATION

Event date: 05/21/1990
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/12/2017
Date achieved compliance: 10/11/2017
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date violation determined: 09/12/2017
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 05/08/1992
Date achieved compliance: 05/29/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 06/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/08/1992

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/20/1992
Date achieved compliance: 04/08/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/18/1988
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/12/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation lead agency: State

Evaluation date: 09/12/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/11/2017
Evaluation lead agency: State

Evaluation date: 05/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 08/27/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/29/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/17/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/08/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/27/1990

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/11/1988
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 04/19/2018
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: SULAMAN AHMED
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-332-7275
Contact email: SULAMAN.AHMED@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1980
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1980
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 01/29/2016
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 03/09/2012
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 02/04/2010
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 02/29/2008
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/27/2006
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 03/04/2004
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: NORTHROP GRUMMAN-WC

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/10/1998
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 09/01/1996
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/28/1992
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 58750

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6660

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 231640

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 297248

Waste code: D011
Waste name: SILVER
Amount (Lbs): 40685

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 286725

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35260

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 05/21/1990
Event: PA OR CERCLA INSPECTION

Event date: 05/21/1990
Event: NCAPS RANKING/PRIORITY

Event date: 05/21/1990

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Event: LEAD AGENCY DETERMINATION

Event date: 05/21/1990
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 03/27/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/12/2017
Date achieved compliance: 10/11/2017
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/12/2017
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 05/08/1992
Date achieved compliance: 05/29/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date violation determined: 05/08/1992
Date achieved compliance: 06/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/20/1992
Date achieved compliance: 04/08/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/27/1990

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/18/1988
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/12/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/12/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/11/2017
Evaluation lead agency: State

Evaluation date: 05/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 08/27/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Area of violation: LDR - General
Date achieved compliance: 05/29/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/17/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/08/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/11/1988
Evaluation lead agency: State

ICIS:
Enforcement Action ID: CASCAA0000060370065800098
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800098
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800097
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800097
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800047
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800047
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800046
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800046
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800032
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800032
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800031
FRS ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800031
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800024
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800024
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800023
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800023
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

US AIRS (AFS):

Envid:	1000840757
Region Code:	09
County Code:	CA037
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
D and B Number:	Not reported
Facility Site Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Primary SIC Code:	4511
NAICS Code:	336411
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	2004-11-08 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	2010-10-13 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2015-02-25 00:00:00
Activity Status Date:	2015-03-03 17:49:11
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date:	1999-07-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2000-10-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-05-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-09-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date:	2008-09-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-02-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-08-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-09-14 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2009-09-15 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-10-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2010-10-13 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-05-20 00:00:00
Activity Status Date:	2015-10-27 16:14:29
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-02-25 00:00:00
Activity Status Date:	2015-03-03 17:49:11
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-02-27 00:00:00
Activity Status Date:	2015-10-27 16:09:50
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date: 2015-04-03 00:00:00
Activity Status Date: 2015-10-27 16:12:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-17 00:00:00
Activity Status Date: 2016-05-27 19:22:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:16:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-27 00:00:00
Activity Status Date: 2016-05-27 19:25:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-15 00:00:00
Activity Status Date: 2016-05-27 19:23:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-07-26 00:00:00
Activity Status Date: 2016-10-06 18:55:22
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date:	2004-02-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-05-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-07-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2004-08-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-03-07 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-02-20 00:00:00
Activity Status Date: 2001-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-31 00:00:00
Activity Status Date: 2002-07-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: 2000-12-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-17 00:00:00
Activity Status Date: 2002-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2003-11-09 00:00:00
Activity Status Date:	2003-11-09 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2010-04-21 00:00:00
Activity Status Date:	2010-04-21 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

FINDS:

Registry ID: 110055862142

Environmental Interest/Information System
COMPLIANCE AND EMISSIONS REPORTING

STATE MASTER

Registry ID: 110064127671

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000840757
Registry ID:	110064127671
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064127671

AG166 **STANDARD OIL CO.** **CA ENVIROSTOR** **S107737403**
WSW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.914 mi.
4826 ft. **Site 1 of 2 in cluster AG**

Relative:
Lower

Actual:
100 ft.

ENVIROSTOR:

Name:	STANDARD OIL CO.
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80001144
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.91527
Longitude:	-118.4097
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA47300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7447
Alias Type:	INPR
Alias Name:	80001144
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	07/01/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AG167
WSW
1/2-1
0.915 mi.
4831 ft.

STANDARD OIL CO.
EL SEGUNDO, CA
Site 2 of 2 in cluster AG

FUDS **1024904095**
N/A

Relative:
Lower

Actual:
100 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799FA47300
Congressional District Number:	33
Facility Name:	STANDARD OIL CO.
FUDS Number:	J09CA7447
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Private Sector
X Coord:	-118.40972221970399
Y Coord:	33.915277779846498
Latitude:	33.915277779999997
Longitude:	-118.40972222000001

AH168
NNE
1/2-1
0.952 mi.
5024 ft.

SPERRY GYROSCOPE CORP.
EL SEGUNDO, CA
Site 1 of 2 in cluster AH

FUDS **1024903906**
N/A

Relative:
Lower

Actual:
100 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799F996300
Congressional District Number:	43
Facility Name:	SPERRY GYROSCOPE CORP.
FUDS Number:	J09CA7140
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Private Sector
X Coord:	-118.38666667003
Y Coord:	33.931944439585003
Latitude:	33.931944440000002
Longitude:	-118.38666667

AH169 **SPERRY GYROSCOPE CORP** **CA ENVIROSTOR** **S107737396**
NNE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.953 mi.
5030 ft. **Site 2 of 2 in cluster AH**

Relative:
Lower

Actual:
100 ft.

ENVIROSTOR:

Name:	SPERRY GYROSCOPE CORP
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000842
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93194
Longitude:	-118.3866
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F996300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7140
Alias Type:	INPR
Alias Name:	80000842
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/21/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AI170 **GENERAL CHEMICAL CO.** **FUDS** **1024904035**
SSW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.961 mi.
5074 ft. **Site 1 of 2 in cluster AI**

Relative: FUDS:
Higher

Actual: EPA Region:	9
132 ft. Installation ID:	CA99799FA39600
Congressional District Number:	33
Facility Name:	GENERAL CHEMICAL CO.
FUDS Number:	J09CA7369
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
X Coord:	-118.397222219729
Y Coord:	33.904166670356403
Latitude:	33.904166670000002
Longitude:	-118.39722222

AI171 **GENERAL CHEMICAL CO.** **CA ENVIROSTOR** **S107736375**
SSW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.961 mi.
5075 ft. **Site 2 of 2 in cluster AI**

Relative: ENVIROSTOR:
Higher

Actual: Name:	GENERAL CHEMICAL CO.
132 ft. Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80001008
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.90416
Longitude:	-118.3972
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED

GENERAL CHEMICAL CO. (Continued) **S107736375**

Potential Description: NONE SPECIFIED
Alias Name: CA99799FA39600
Alias Type: Federal Facility ID
Alias Name: J09CA7369
Alias Type: INPR
Alias Name: 80001008
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 05/28/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

172
South
1/2-1
0.990 mi.
5227 ft.

Relative:
Higher

Actual:
137 ft.

ALLIED CHEM CORP EL SEGUNDO WORKS
850 S SEPULVEDA BLVD
EL SEGUNDO, CA 90245

SEMS **1000249021**
RCRA-SQG **CAD008326589**
CA HIST UST
CA EMI
CA Notify 65
CA CIWQS
CA CERS

SEMS:
Site ID: 0901054
EPA ID: CAD008326589
Cong District: 27
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:
Region: 09
Site ID: 0901054
EPA ID: CAD008326589
Site Name: ALLIED CHEM CORP EL SEGUNDO WORKS
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 8/6/1990 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Region:	09
Site ID:	0901054
EPA ID:	CAD008326589
Site Name:	ALLIED CHEM CORP EL SEGUNDO WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	VA
Action Name:	OTHR CLEANUP
SEQ:	1
Start Date:	1999-12-01 05:00:00
Finish Date:	Not reported
Qual:	H
Current Action Lead:	St Perf

Region:	09
Site ID:	0901054
EPA ID:	CAD008326589
Site Name:	ALLIED CHEM CORP EL SEGUNDO WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	Not reported
Finish Date:	5/23/2006 4:00:00 AM
Qual:	H
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901054
EPA ID:	CAD008326589
Site Name:	ALLIED CHEM CORP EL SEGUNDO WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	9/1/1984 5:00:00 AM
Qual:	L
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0901054
EPA ID:	CAD008326589
Site Name:	ALLIED CHEM CORP EL SEGUNDO WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	Not reported
Finish Date:	11/23/1988 5:00:00 AM

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Qual: L
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901054
EPA ID: CAD008326589
Site Name: ALLIED CHEM CORP EL SEGUNDO WORKS
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1979-11-01 05:00:00
Finish Date: 11/1/1979 5:00:00 AM
Qual: Not reported
Current Action Lead: St Perf

RCRA-SQG:
Date form received by agency: 02/28/2002
Facility name: HONEYWELL INTL INC
Facility address: 850 S SEPULVEDA BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD008326589
Contact: JAY F HOESTERMANN
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 310-615-0199
Telephone ext.: 244
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Used oil transporter: No

Historical Generators:
Date form received by agency: 02/28/2002
Site name: HONEYWELL INTL INC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: HONEYWELL INTERNATIONAL, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: ALLIEDSIGNAL, INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: ALLIED CHEM CORP EL SEGUNDO WORKS
Classification: Large Quantity Generator

Date form received by agency: 02/22/1996
Site name: ALLIEDSIGNAL, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Site name: ALLIED SIGNAL INC
Classification: Large Quantity Generator

Date form received by agency: 02/12/1992
Site name: ALLIED SIGNAL, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Site name: ALLIED SIGNAL CHEMICAL CORP. EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 08/04/1980
Site name: ALLIED CHEM CORP EL SEGUNDO WORKS
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/24/1994
Date achieved compliance: 05/24/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/24/1994

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/24/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/24/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/24/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/02/1981
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

HIST UST:
Name: ALLIED CHEMICAL
Address: 850 SOUTH SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 000262B1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000262B1.pdf
Region: STATE
Facility ID: 00000017227
Facility Type: Other
Other Type: CHEM MFG
Contact Name: J B BARNETT
Telephone: 2136150100
Owner Name: ALLIED CORPORATION
Owner Address: COLUMBIA RD & PARK AV
Owner City,St,Zip: MORRIS TOWNSHIP, NJ 07960
Total Tanks: 0010

Tank Num: 001
Container Num: 001
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 10
Leak Detection: Pressure Test

Tank Num: 001
Container Num: 001
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 10
Leak Detection: Pressure Test

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Tank Num:	002
Container Num:	010
Year Installed:	1963
Tank Capacity:	00005600
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Pressure Test

Tank Num:	002
Container Num:	010
Year Installed:	1963
Tank Capacity:	00005600
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	5/16
Leak Detection:	Pressure Test

Tank Num:	003
Container Num:	009
Year Installed:	1964
Tank Capacity:	00004500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	Visual

Tank Num:	003
Container Num:	009
Year Installed:	1964
Tank Capacity:	00004500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	Visual

Tank Num:	004
Container Num:	008
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	004
Container Num:	008
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	005
Container Num:	007
Year Installed:	1960

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Tank Capacity:	00006000
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	005
Container Num:	007
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	Not reported
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	006
Container Num:	006
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	006
Container Num:	006
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Pressure Test

Tank Num:	007
Container Num:	005
Year Installed:	1972
Tank Capacity:	00000650
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	007
Container Num:	005
Year Installed:	1972
Tank Capacity:	00000650
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	008
Container Num:	004
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	WASTE
Type of Fuel:	Not reported

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Container Construction Thickness: 3/8
Leak Detection: Visual

Tank Num: 008
Container Num: 004
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/8
Leak Detection: Visual

Tank Num: 009
Container Num: 003
Year Installed: 1972
Tank Capacity: 00135000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1
Leak Detection: Visual

Tank Num: 009
Container Num: 003
Year Installed: 1972
Tank Capacity: 00135000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1
Leak Detection: Visual

Tank Num: 010
Container Num: 002
Year Installed: 1984
Tank Capacity: 00001692
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .25
Leak Detection: Visual

Tank Num: 010
Container Num: 002
Year Installed: 1984
Tank Capacity: 00001692
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: .25
Leak Detection: Visual

Click here for Geo Tracker PDF:

EMI:
Name: ALLIED SIGNAL INC (NSR USE ONL
Address: 850 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 1987
County Code: 19
Air Basin: SC

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Facility ID:	800007
Air District Name:	SC
SIC Code:	2865
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	30
Reactive Organic Gases Tons/Yr:	22
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2865
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	135
Reactive Organic Gases Tons/Yr:	96
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2865
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	70
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2865
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	70
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2865
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	78
Reactive Organic Gases Tons/Yr:	54
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	73
Reactive Organic Gases Tons/Yr:	60
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	73
Reactive Organic Gases Tons/Yr:	60
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	73
Reactive Organic Gases Tons/Yr:	60
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALLIED SIGNAL INC (NSR USE ONL
Address:	850 S SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	800007
Air District Name:	SC
SIC Code:	2869
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	73
Reactive Organic Gases Tons/Yr:	60
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ALLIED SIGNAL INC (NSR USE ONLY)
Address: 850 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 800007
Air District Name: SC
SIC Code: 2869
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ALLIED SIGNAL INC (NSR USE ONLY)
Address: 850 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 800007
Air District Name: SC
SIC Code: 2865
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 104
Reactive Organic Gases Tons/Yr: 87
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ALLIED SIGNAL INC (NSR USE ONLY)
Address: 850 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 800007
Air District Name: SC
SIC Code: 2865
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 104
Reactive Organic Gases Tons/Yr: 87

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: ALLIED SIGNAL INC (NSR USE ONLY)
Address: 850 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 800007
Air District Name: SC
SIC Code: 2865
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 104.330715
Reactive Organic Gases Tons/Yr: 86.98
Carbon Monoxide Emissions Tons/Yr: 0.161
NOX - Oxides of Nitrogen Tons/Yr: 0.5981
SOX - Oxides of Sulphur Tons/Yr: 0.011917
Particulate Matter Tons/Yr: 0.04247
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.04

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

CIWQS:
Name: UND 4 5 HONEYWELL EL SEGUNDO SITE
Address: 850 SOUTH SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Agency: Honeywell International Inc
Agency Address: 101 Columbia Road, Morristown, CA 07962
Place/Project Type: Construction - Industrial
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C359610
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 09/29/2010
Termination Date: 09/27/2012
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.903889
Longitude:	-118.391667

CERS:

Name:	HONEYWELL INTERNATIONAL INC
Address:	850 SOUTH SEPULVEDA BOULEVARD
City,State,Zip:	EL SEGUNDO, CA 90245-4713
Site ID:	472821
CERS ID:	110000474451
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	ANDY ANDERSON
Entity Title:	FIELD SUPERVISOR
Affiliation Address:	2525 WEST 190TH STREET M/S 23-21-80
Affiliation City:	TORRANCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	ALAN W WHITSON
Entity Title:	PLANT MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	JAY F HOESTERMANN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	THOMAS KEARSEY
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	2625 S PLAZA DR SUITE 300
Affiliation City:	TEMPE
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Owner

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Entity Name:	BENNY DEHGHI
Entity Title:	OWNER
Affiliation Address:	2525 WEST 190TH STREET M/S 23-21-80
Affiliation City:	TORRANCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	NOORI ALAVI LOS ANGELES RWQCB REGN 4TH
Entity Title:	Not reported
Affiliation Address:	320 W 4TH ST NA 200
Affiliation City:	LOSANGELES
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	ADAM ELLIOTT
Entity Title:	ENVIRONMENTAL CONTACT
Affiliation Address:	1737 NORTH FIRST ST SUITE 300
Affiliation City:	SANJOSE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	HONEYWELL INTL
Entity Title:	OPERATOR
Affiliation Address:	2525 WEST 190TH STREET M/S 23-21-80
Affiliation City:	TORRANCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	BENNY DEHGHI
Entity Title:	MANAGER REMEDIATION
Affiliation Address:	2525 W 190TH STREETMS 23-21-80
Affiliation City:	TORRANCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOHN HADDAD
Entity Title:	SITE LEADER, HEALTH, SAFETY& ENVIRO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

ALLIED CHEM CORP EL SEGUNDO WORKS (Continued) **1000249021**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	MANNY VAZQUEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL SEGUNDO	S101296163	CITY OF EL SEGUNDO	FRANKLIN AVE	90245	CA LUST, CA HIST CORTESE
EL SEGUNDO	S124437338	SOF-XI PCT TWO TOWER OWNER, LLC	100-200 N PACIFIC COAST HWY	90245	CA CERS HAZ WASTE, CA CERS
EL SEGUNDO	S124437360	SOF-XI PCT SINGLE TOWER OWNER, LLC	222 N PACIFIC COAST HWY	90245	CA CERS HAZ WASTE, CA CERS
EL SEGUNDO	S106386907	DOD - LOS ANGELES AIRFORCE BASE	EL SEGUNDO	90245	CA CPS-SLIC
HAWTHORNE	S106387142	JONDA ENTERPRISES	207 EL SEGUNDO	90245	CA CPS-SLIC
LOS ANGELES	S107538594		GRAND AVE (CROSS OF 51ST & 52N		CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 42

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/15/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/30/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 53

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/23/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/12/2019
Number of Days to Update: 69
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 09/13/2019
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/11/2019
Next Scheduled EDR Contact: 12/29/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 60

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 49

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 42

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 33

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53
Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45
Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76
Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1960 E GRAND AVENUE
1960 E GRAND AVENUE
EL SEGUNDO, CA 90245

TARGET PROPERTY COORDINATES

Latitude (North):	33.918589 - 33° 55' 6.92''
Longitude (West):	118.393719 - 118° 23' 37.39''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371162.7
UTM Y (Meters):	3753809.8
Elevation:	118 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

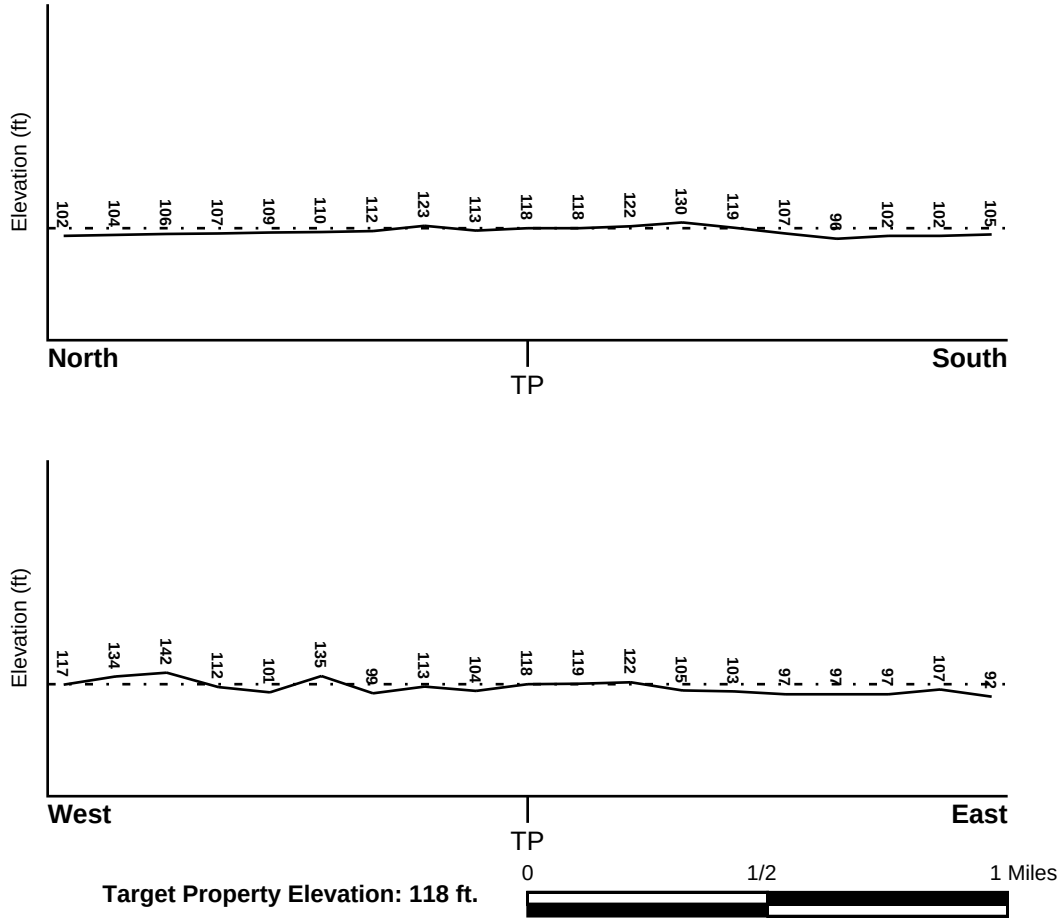
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1770F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VENICE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile West
Site Name:	International Rectifier
Site EPA ID Number:	CAD076208313
Groundwater Flow Direction:	West
Inferred Depth to Water:	80 feet.
Hydraulic Connection:	Aquifers underlying the site are interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DELHI
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

clay

Shallow Soil Types: fine sandy loam
gravelly - loam
sandy clay loam
sandy clay

Deeper Soil Types: coarse sand
silty clay loam
gravelly - fine sandy loam
stratified
gravelly - sandy loam
weathered bedrock
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000138914	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000093250	0 - 1/8 Mile NW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CAOG13000093248	0 - 1/8 Mile SSW
A3	CAOG13000093252	1/8 - 1/4 Mile NW
A4	CAOG13000093232	1/8 - 1/4 Mile WNW
5	CAOG13000093208	1/8 - 1/4 Mile WSW
6	CAOG13000093236	1/8 - 1/4 Mile ESE
B7	CAOG13000093243	1/8 - 1/4 Mile SSW
B8	CAOG13000093287	1/8 - 1/4 Mile South
C9	CAOG13000093229	1/8 - 1/4 Mile West
D10	CAOG13000093191	1/8 - 1/4 Mile NE
11	CAOG13000093290	1/8 - 1/4 Mile South
D12	CAOG13000093255	1/4 - 1/2 Mile NE
E13	CAOG13000093219	1/4 - 1/2 Mile SE
14	CAOG13000093273	1/4 - 1/2 Mile SW
F15	CAOG13000093234	1/4 - 1/2 Mile WNW
G16	CAOG13000093254	1/4 - 1/2 Mile NNE
C17	CAOG13000093242	1/4 - 1/2 Mile West
H18	CAOG13000093253	1/4 - 1/2 Mile NNW
19	CAOG13000093209	1/4 - 1/2 Mile WSW
I20	CAOG13000093192	1/4 - 1/2 Mile ENE
J21	CAOG13000093265	1/4 - 1/2 Mile East
G22	CAOG13000093261	1/4 - 1/2 Mile North
J23	CAOG13000093247	1/4 - 1/2 Mile ESE
J24	CAOG13000093237	1/4 - 1/2 Mile East
E25	CAOG13000093195	1/4 - 1/2 Mile SE
I26	CAOG13000093249	1/4 - 1/2 Mile East
H27	CAOG13000005603	1/4 - 1/2 Mile NNW
I28	CAOG13000093264	1/4 - 1/2 Mile ENE
I29	CAOG13000093194	1/4 - 1/2 Mile ENE
I30	CAOG13000093270	1/4 - 1/2 Mile ENE
G31	CAOG13000093268	1/4 - 1/2 Mile NNE
G32	CAOG13000093267	1/4 - 1/2 Mile NNE
G33	CAOG13000093260	1/4 - 1/2 Mile NNE
K34	CAOG13000093258	1/4 - 1/2 Mile NE
L35	CAOG13000093297	1/4 - 1/2 Mile NNE
L36	CAOG13000093272	1/4 - 1/2 Mile NNE
37	CAOG13000093285	1/4 - 1/2 Mile South
G38	CAOG13000093269	1/4 - 1/2 Mile NNE
39	CAOG13000093275	1/4 - 1/2 Mile SW
40	CAOG13000093288	1/4 - 1/2 Mile SSW
M41	CAOG13000093230	1/4 - 1/2 Mile West
I42	CAOG13000093294	1/4 - 1/2 Mile ENE
M43	CAOG13000093244	1/4 - 1/2 Mile West
L44	CAOG13000093266	1/4 - 1/2 Mile NNE
L45	CAOG13000093259	1/4 - 1/2 Mile NNE
F46	CAOG13000093218	1/4 - 1/2 Mile WNW
K47	CAOG13000093262	1/4 - 1/2 Mile NE
48	CAOG13000093220	1/4 - 1/2 Mile SSE
K49	CAOG13000093271	1/4 - 1/2 Mile NE
50	CAOG13000093200	1/4 - 1/2 Mile WNW
K51	CAOG13000093296	1/4 - 1/2 Mile NE
52	CAOG13000093274	1/4 - 1/2 Mile SW
N53	CAOG13000093211	1/4 - 1/2 Mile WSW
M54	CAOG13000093225	1/4 - 1/2 Mile West
55	CAOG13000093246	1/4 - 1/2 Mile East
56	CAOG13000093197	1/4 - 1/2 Mile ESE
O57	CAOG13000093263	1/4 - 1/2 Mile NE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
58	CAOG13000093228	1/4 - 1/2 Mile ENE
59	CAOG13000093245	1/4 - 1/2 Mile ESE
O60	CAOG13000093257	1/4 - 1/2 Mile NE
O61	CAOG13000093251	1/4 - 1/2 Mile NE
62	CAOG13000005262	1/4 - 1/2 Mile NW
P63	CAOG13000093233	1/4 - 1/2 Mile WNW
64	CAOG13000093277	1/4 - 1/2 Mile WSW
65	CAOG13000093286	1/4 - 1/2 Mile South
O66	CAOG13000093256	1/4 - 1/2 Mile NE
67	CAOG13000093289	1/4 - 1/2 Mile South
O68	CAOG13000093227	1/4 - 1/2 Mile ENE
Q69	CAOG13000093193	1/4 - 1/2 Mile SW
N70	CAOG13000093212	1/4 - 1/2 Mile West
71	CAOG13000093215	1/4 - 1/2 Mile SE
R72	CAOG13000093213	1/2 - 1 Mile SSE
O73	CAOG13000093226	1/2 - 1 Mile NE
74	CAOG13000093282	1/2 - 1 Mile WNW
P75	CAOG13000093221	1/2 - 1 Mile WNW
76	CAOG13000093276	1/2 - 1 Mile SSW
Q77	CAOG13000093279	1/2 - 1 Mile SW
R78	CAOG13000093196	1/2 - 1 Mile SSE
S79	CAOG13000093199	1/2 - 1 Mile West
80	CAOG13000093224	1/2 - 1 Mile WSW
81	CAOG13000093278	1/2 - 1 Mile WSW
82	CAOG13000093216	1/2 - 1 Mile SE
83	CAOG13000005486	1/2 - 1 Mile NW
S84	CAOG13000093204	1/2 - 1 Mile West
85	CAOG13000093198	1/2 - 1 Mile SE
86	CAOG13000093203	1/2 - 1 Mile West
87	CAOG13000093190	1/2 - 1 Mile SE
T88	CAOG13000093281	1/2 - 1 Mile West
89	CAOG13000093210	1/2 - 1 Mile ENE
90	CAOG13000093201	1/2 - 1 Mile West
T91	CAOG13000093280	1/2 - 1 Mile West
92	CAOG13000093205	1/2 - 1 Mile SE
93	CAOG13000093292	1/2 - 1 Mile South
94	CAOG13000093206	1/2 - 1 Mile SE
95	CAOG13000093222	1/2 - 1 Mile West
U96	CAOG13000093295	1/2 - 1 Mile WSW
U97	CAOG13000093293	1/2 - 1 Mile WSW
98	CAOG13000093217	1/2 - 1 Mile SE
99	CAOG13000093223	1/2 - 1 Mile East
100	CAOG13000005352	1/2 - 1 Mile WNW
101	CAOG13000093202	1/2 - 1 Mile West
102	CAOG13000093207	1/2 - 1 Mile SE
V103	CAOG13000093235	1/2 - 1 Mile SE
V104	CAOG13000093214	1/2 - 1 Mile SSE
105	CAOG13000093291	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 05796768.2r

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 1960 E Grand Avenue	CLIENT: EBI Consulting
ADDRESS: 1960 E Grand Avenue	CONTACT: API User
El Segundo CA 90245	INQUIRY #: 05796768.2r
LAT/LONG: 33.918589 / 118.393719	DATE: September 19, 2019 6:32 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138914**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	003S014W18K004S	Type:	Well
Description:	Not Reported	HUC:	18070104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	520
Well Depth Units:	ft	Well Hole Depth:	540
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NW
0 - 1/8 Mile

OIL_GAS **CAOG13000093250**

API #:	0403707214	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

2
SSW
0 - 1/8 Mile

OIL_GAS **CAOG13000093248**

API #:	0403707212	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A3
NW
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093252**

API #:	0403707216	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

A4
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093232**

API #:	0403707596	Well #:	2-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

5
WSW **OIL_GAS** **CAOG13000093208**
1/8 - 1/4 Mile

API #:	0403707571	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

6
ESE **OIL_GAS** **CAOG13000093236**
1/8 - 1/4 Mile

API #:	0403707600	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B7
SSW **OIL_GAS** **CAOG13000093243**
1/8 - 1/4 Mile

API #:	0403707207	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Shell Western E&P Inc.	Lease Name:	Fortuna
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B8
South **OIL_GAS** **CAOG13000093287**
1/8 - 1/4 Mile

API #:	0403707251	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C9
West
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093229**

API #:	0403707593	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Government Refining & Gasoline Corp.Ltd.		
Lease Name:	Ramsey-Wallace	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

D10
NE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093191**

API #:	0403700180	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

11
South
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093290**

API #:	0403707254	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D12
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093255**

API #:	0403707219	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

E13
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093219**

API #:	0403707583	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

14
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093273**

API #:	0403707237	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F15
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093234**

API #:	0403707598	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G16
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093254**

API #:	0403707218	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C17
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093242**

API #:	0403707206	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Ruchti Petro. Co., Inc.	Lease Name:	Lease by Ruchti Petro. Co., Inc.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H18
NNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093253**

API #:	0403707217	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

19
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093209**

API #:	0403707572	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

I20
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093192**

API #:	0403700181	Well #:	28
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J21
East
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093265**

API #:	0403707229	Well #:	23
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G22
North
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093261**

API #:	0403707225	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J23
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093247**

API #:	0403707211	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J24
East
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093237**

API #:	0403707201	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

E25
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093195**

API #:	0403702332	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I26
East
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093249**

API #:	0403707213	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H27
NNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005603**

API #:	0403705175	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Atlantic Richfield Company		
Lease Name:	Santa Fe B	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

I28
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093264**

API #:	0403707228	Well #:	22
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I29
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093194**

API #:	0403700874	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I30
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093270**

API #:	0403707234	Well #:	30
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G31
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093268**

API #:	0403707232	Well #:	27
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G32
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093267**

API #:	0403707231	Well #:	26
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G33
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093260**

API #:	0403707224	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K34
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093258**

API #:	0403707222	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L35
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093297**

API #:	0403720612	Well #:	33
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

L36
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093272**

API #:	0403707236	Well #:	32
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

37
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093285**

API #:	0403707249	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G38
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093269**

API #:	0403707233	Well #:	29
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

39
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093275**

API #:	0403707239	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

40
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093288**

API #:	0403707252	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M41
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093230**

API #:	0403707594	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Signal Hill Petroleum, Inc.		
Lease Name:	Elsie Comm.	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

I42
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093294**

API #:	0403720650	Well #:	34
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M43
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093244**

API #:	0403707208	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	K. Sims	Lease Name:	Copinger-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L44
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093266**

API #:	0403707230	Well #:	25
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L45
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093259**

API #:	0403707223	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F46
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093218**

API #:	0403707582	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K47
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093262**

API #:	0403707226	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

48
SSE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093220**

API #:	0403707584	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K49
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093271**

API #:	0403707235	Well #:	31
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

50
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093200**

API #:	0403707563	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

K51
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093296**

API #:	0403723168	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

52
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093274**

API #:	0403707238	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

N53
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093211**

API #:	0403707575	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

M54
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093225**

API #:	0403707589	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Corp.	Lease Name:	Grauman-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

55
East
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093246**

API #:	0403707210	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

56
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093197**

API #:	0403702334	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O57
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093263**

API #:	0403707227	Well #:	21
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

58
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093228**

API #:	0403707592	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Goodwin
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

59
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093245**

API #:	0403707209	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O60
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093257**

API #:	0403707221	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O61
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093251**

API #:	0403707215	Well #:	8
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

62
NW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005262**

API #:	0403705485	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Howard Oil Co., Inc.	Lease Name:	Mary
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P63
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093233**

API #:	0403707597	Well #:	9-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

64
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093277**

API #:	0403707241	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

65
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093286**

API #:	0403707250	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O66
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093256**

API #:	0403707220	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

67
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093289**

API #:	0403707253	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O68
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093227**

API #:	0403707591	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Q69
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093193**

API #:	0403700182	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

N70
West
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093212**

API #:	0403707576	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

71
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093215**

API #:	0403707579	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R72
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093213**

API #:	0403707577	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Republic	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

O73
NE
1/2 - 1 Mile

OIL_GAS **CAOG13000093226**

API #:	0403707590	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

74
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000093282**

API #:	0403707246	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Termo Company	Lease Name:	Termo-Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

P75
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000093221**

API #:	0403707585	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Briles Manufacturing	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

76
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093276**

API #:	0403707240	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Q77
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093279**

API #:	0403707243	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R78
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093196**

API #:	0403702333	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S79
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093199**

API #:	0403707562	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Converse	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

80
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093224**

API #:	0403707588	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

81
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093278**

API #:	0403707242	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

82
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093216**

API #:	0403707580	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

83
NW
1/2 - 1 Mile

OIL_GAS **CAOG13000005486**

API #:	0403705802	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	George R. Rider	Lease Name:	Lease by George R. Rider
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S84
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093204**

API #:	0403707567	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Silver Wing Oil Co.	Lease Name:	Guaranty-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

85
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093198**

API #:	0403702335	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

86
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093203**

API #:	0403707566	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

87
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093190**

API #:	0403700179	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T88
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093281**

API #:	0403707245	Well #:	2
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

89
ENE
1/2 - 1 Mile

OIL_GAS **CAOG13000093210**

API #:	0403707573	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Howard	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

90
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093201**

API #:	0403707564	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

T91
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093280**

API #:	0403707244	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

92
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093205**

API #:	0403707568	Well #:	2
Well Status:	Active	Well Type:	OG
Operator Name:	Brayton-Hodges Petroleum Inc.		
Lease Name:	El Segundo	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

93
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093292**

API #:	0403707256	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Union Oil Company of California		
Lease Name:	El Segundo	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

94
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093206**

API #:	0403707569	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	El Segundo	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

95
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093222**

API #:	0403707586	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Conoco Inc.	Lease Name:	Elsie Community
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U96
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093295**

API #:	0403720213	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U97
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093293**

API #:	0403720294	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

98
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093217**

API #:	0403707581	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

99
East
1/2 - 1 Mile

OIL_GAS **CAOG13000093223**

API #:	0403707587	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Dresco, Inc.	Lease Name:	Woods
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

100
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000005352**

API #:	0403705566	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Larco Oil Co.	Lease Name:	Van
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

101
West
1/2 - 1 Mile

OIL_GAS **CAOG13000093202**

API #:	0403707565	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

102
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093207**

API #:	0403707570	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	El Segundo	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

V103
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093235**

API #:	0403707599	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Lane-Wells Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V104
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093214**

API #:	0403707578	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Santa Fe	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

105
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093291**

API #:	0403707255	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Union Oil Company of California		
Lease Name:	El Segundo	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90245	101	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

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Appendix F

Historical Documentation

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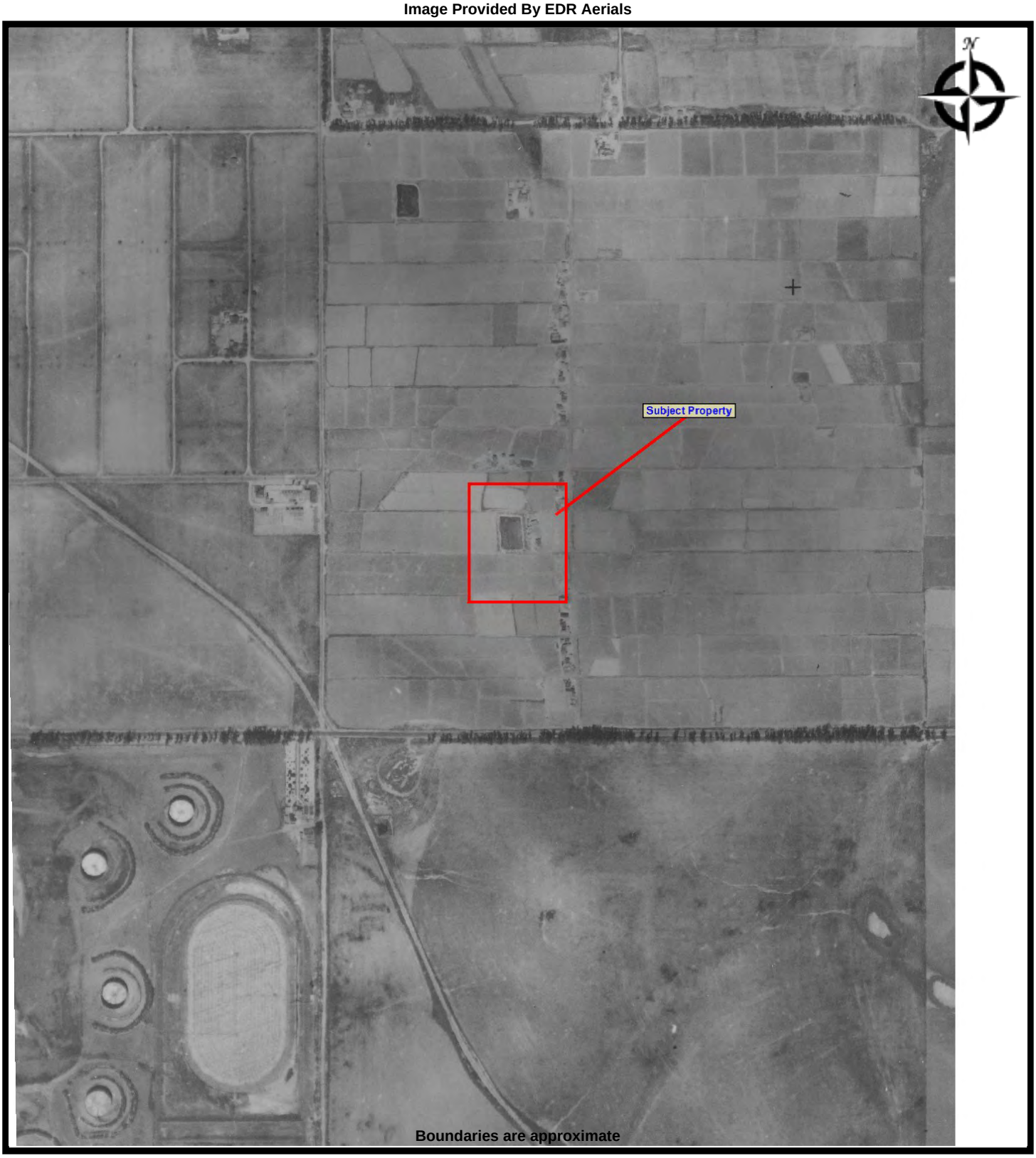
environmental | engineering | due diligence

AERIAL - 1923
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR Aerials



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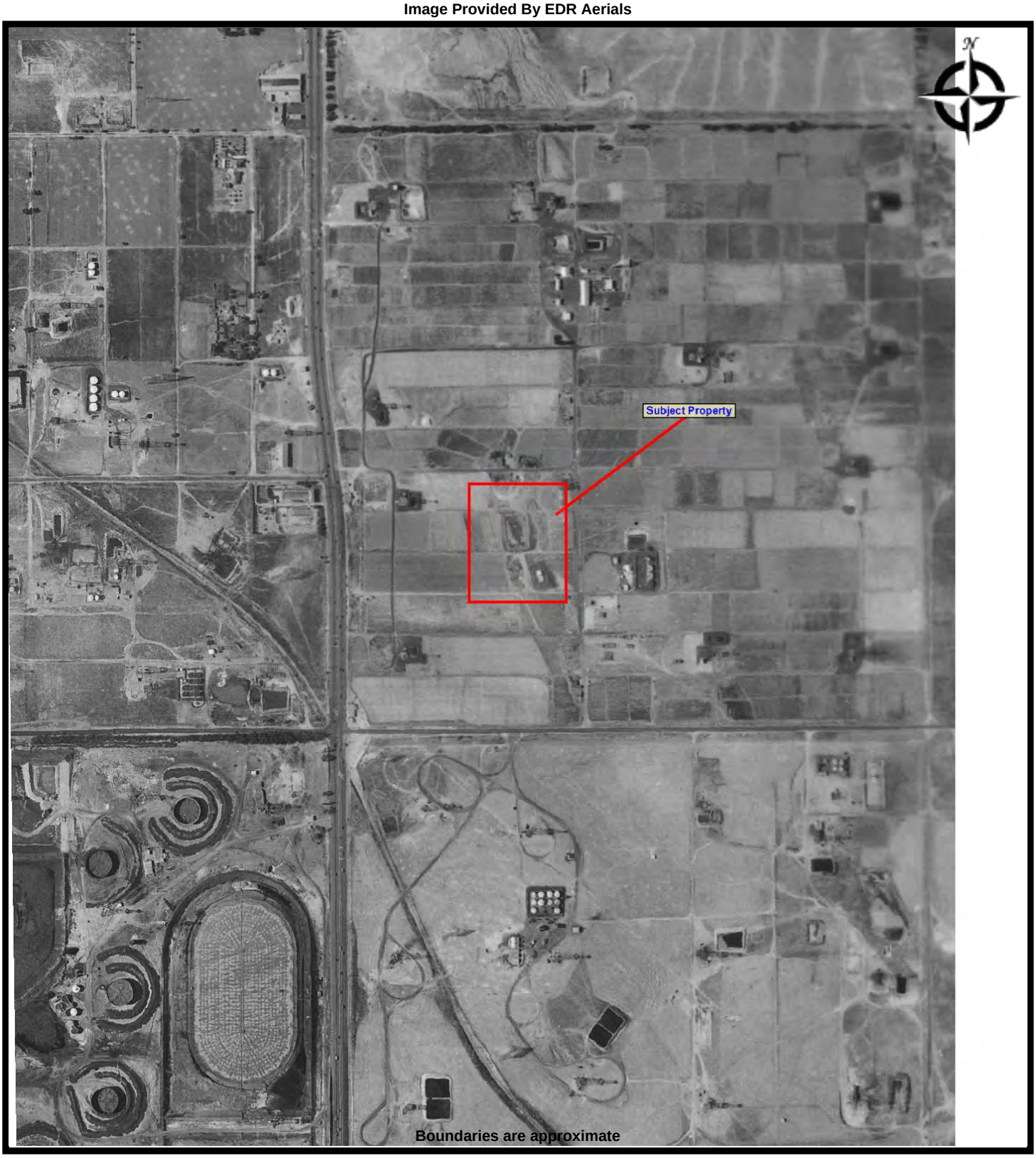

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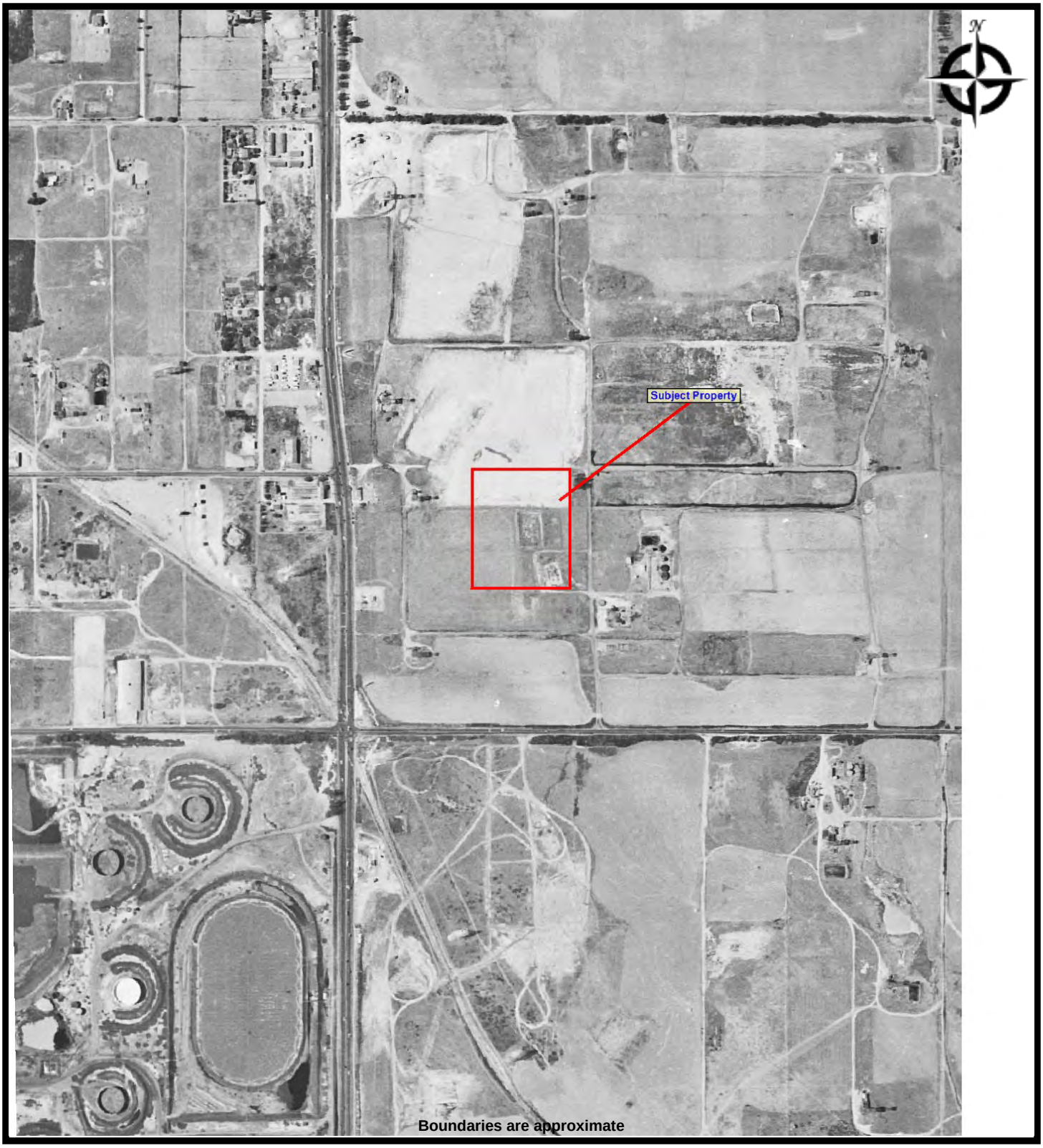

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AERIAL - 1947
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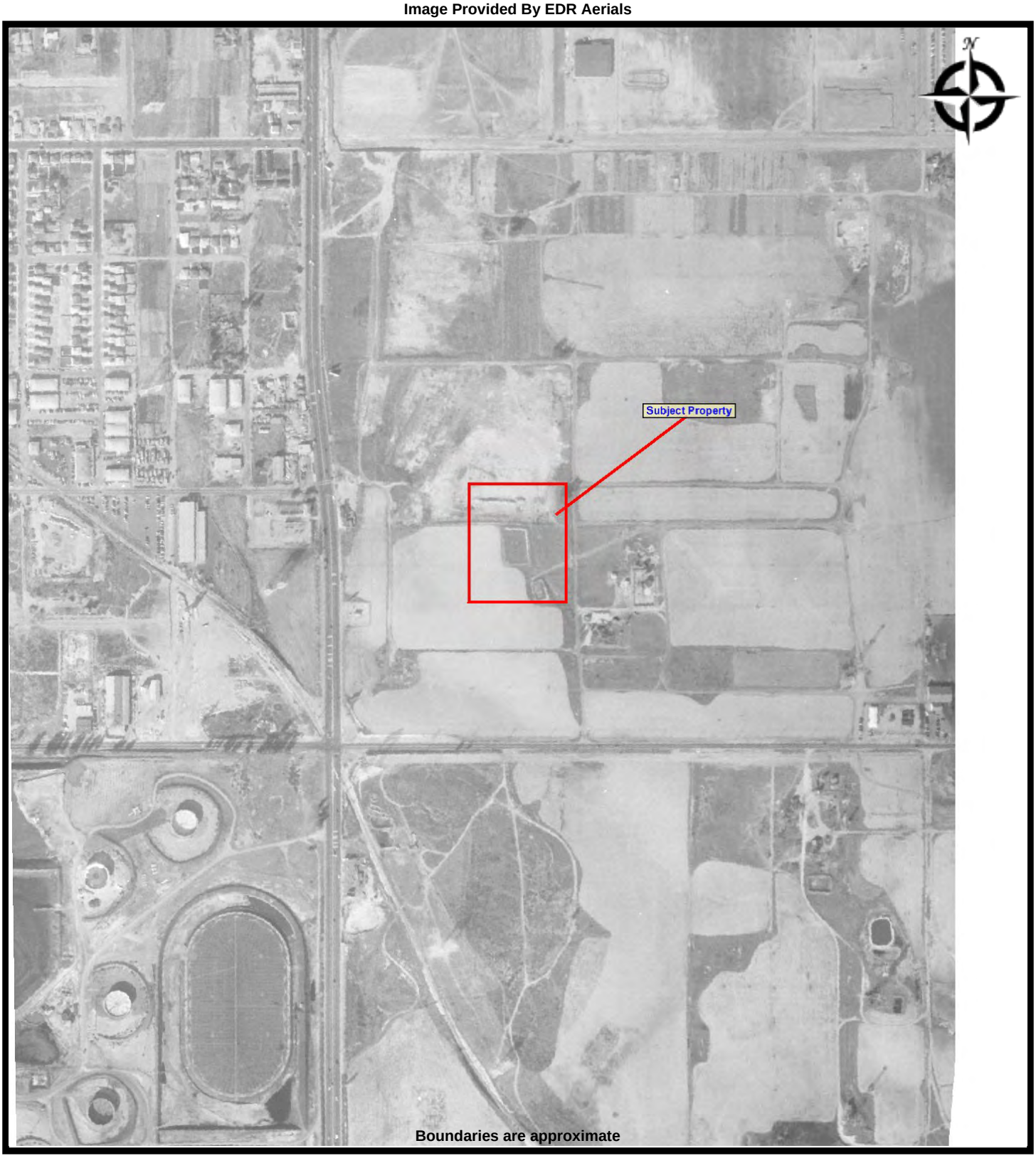

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AERIAL - 1953
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1960 E Grand Avenue
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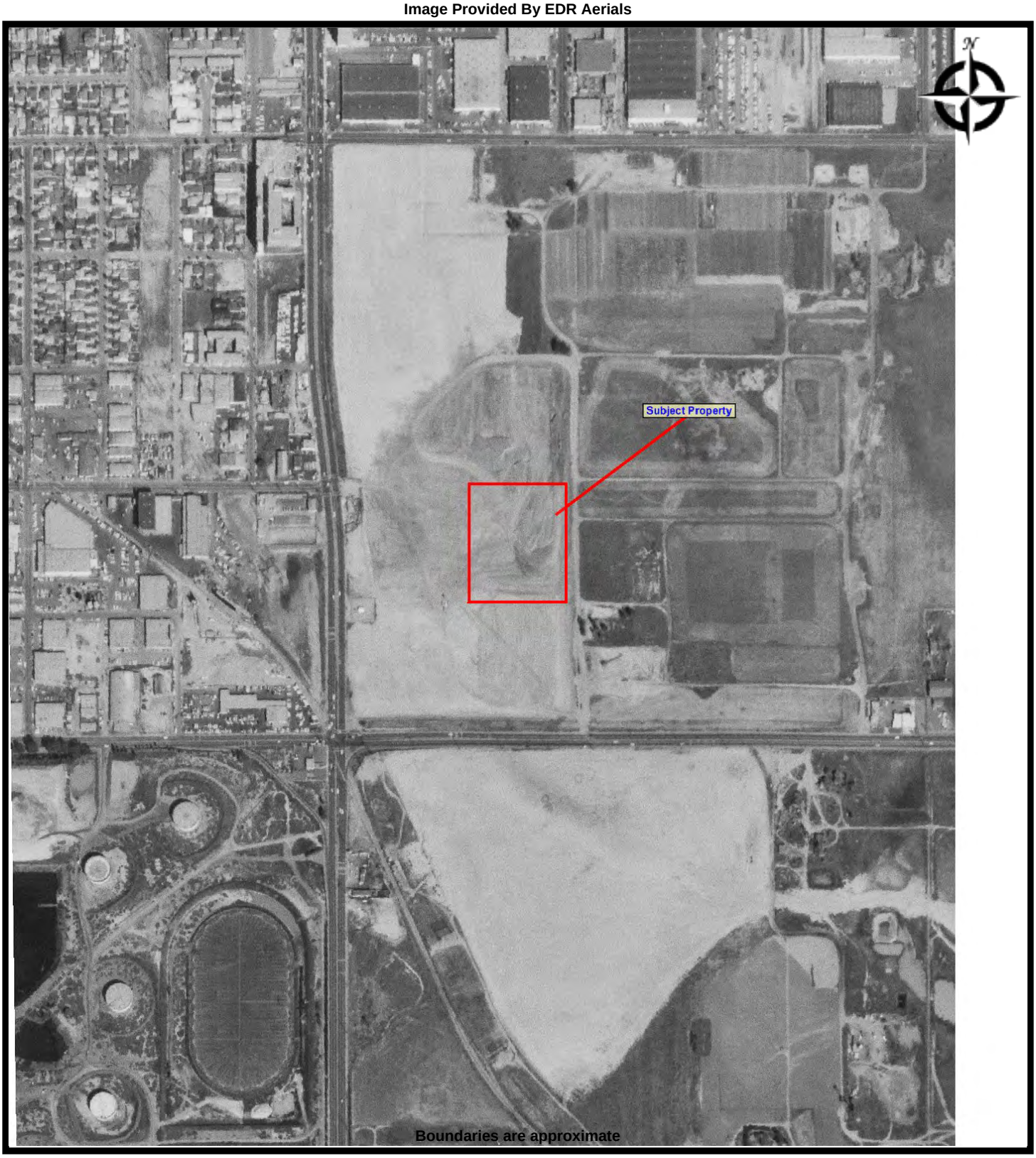

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AERIAL - 1963
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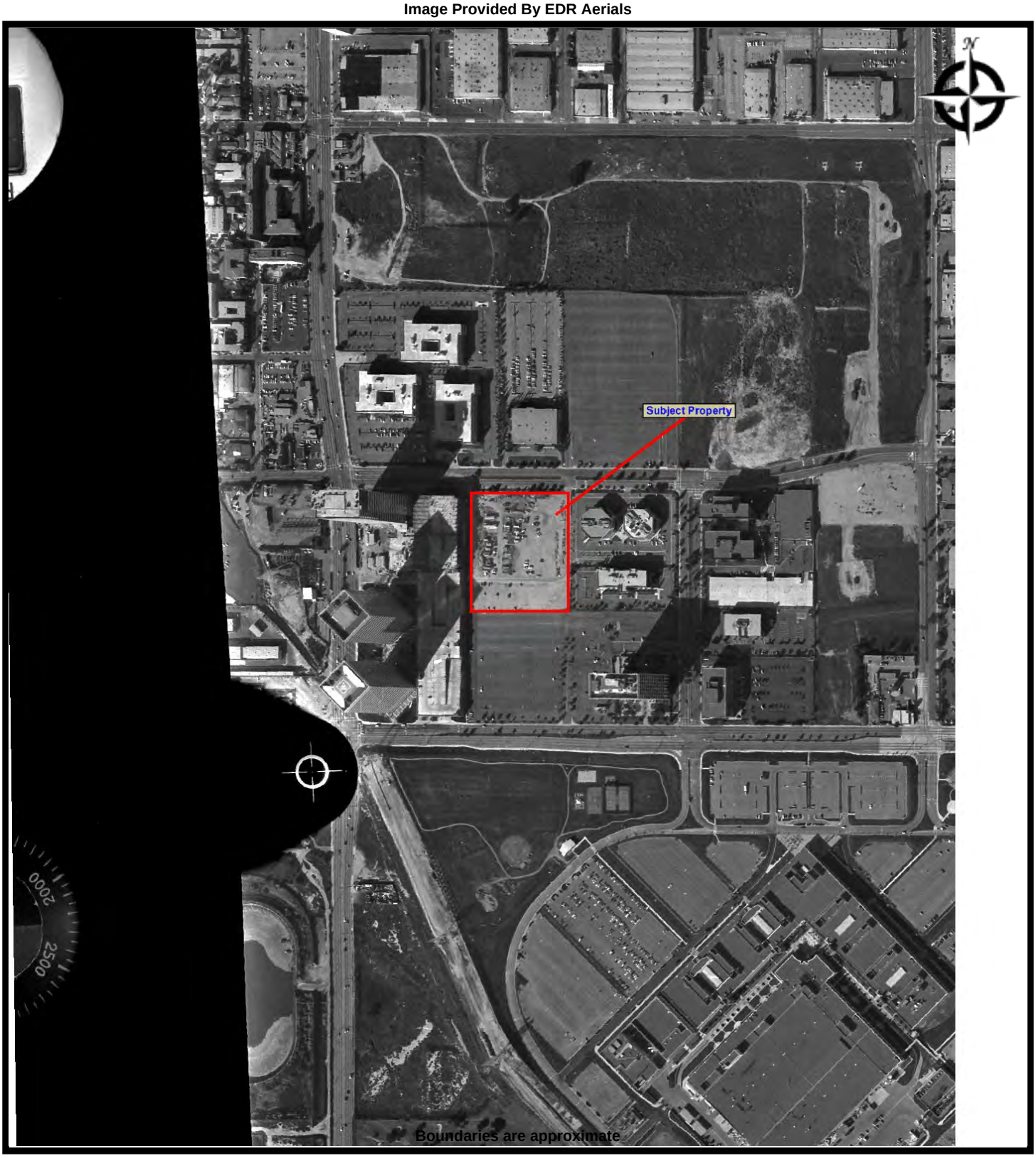

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AERIAL - 1983
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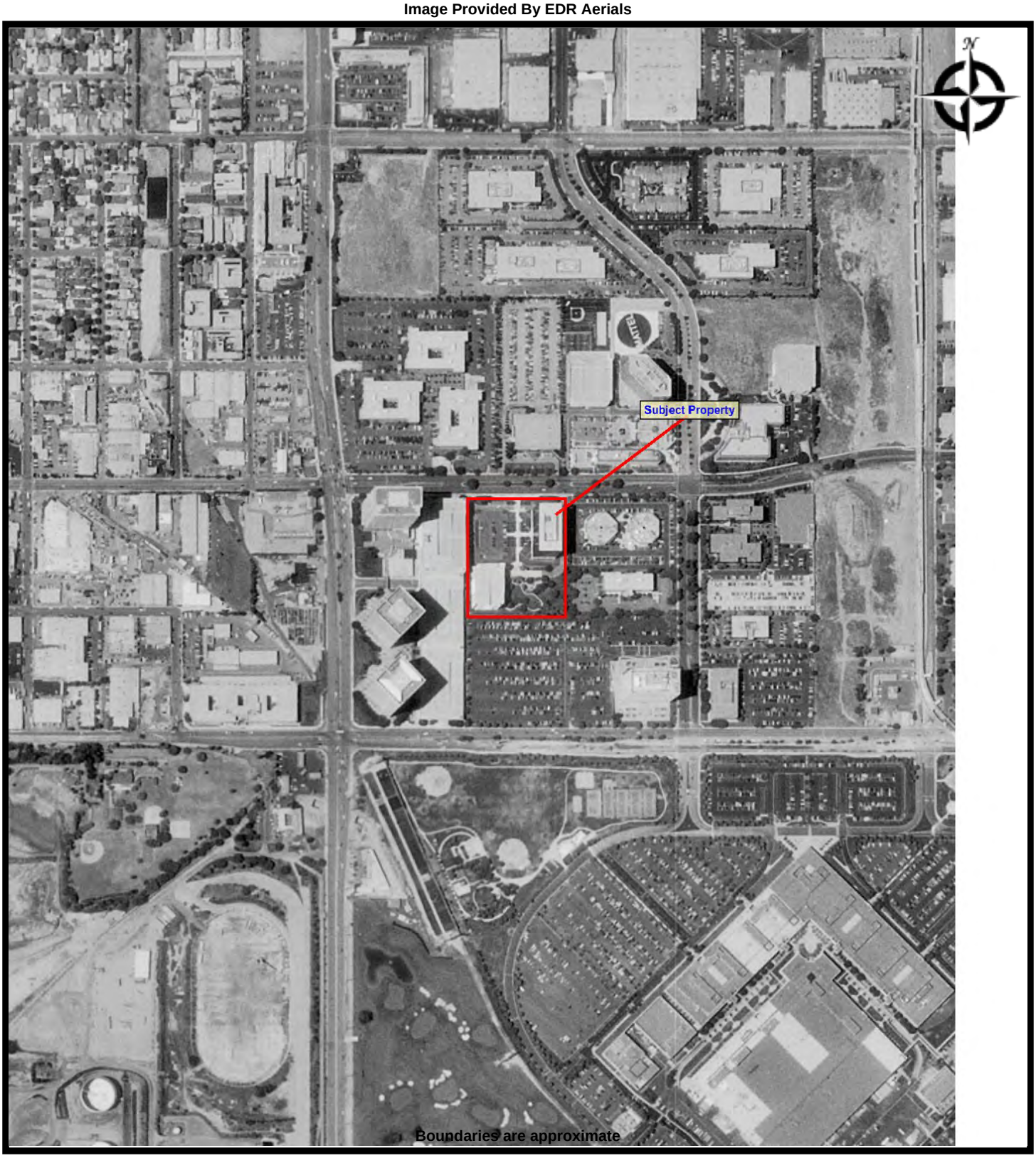

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AERIAL - 1994
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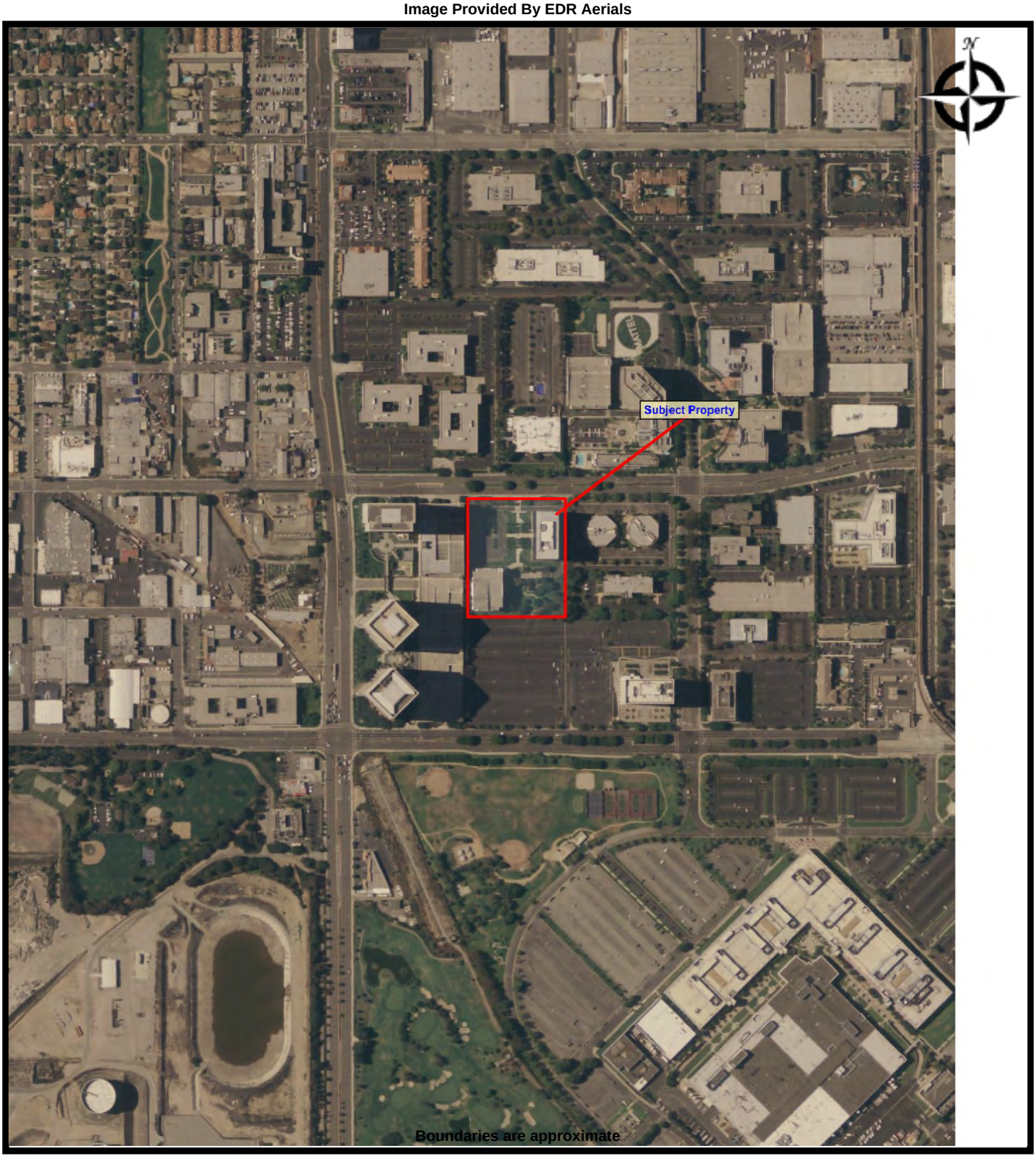

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Image Provided By EDR USGS Topographic Maps

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TOPO MAP - 1896
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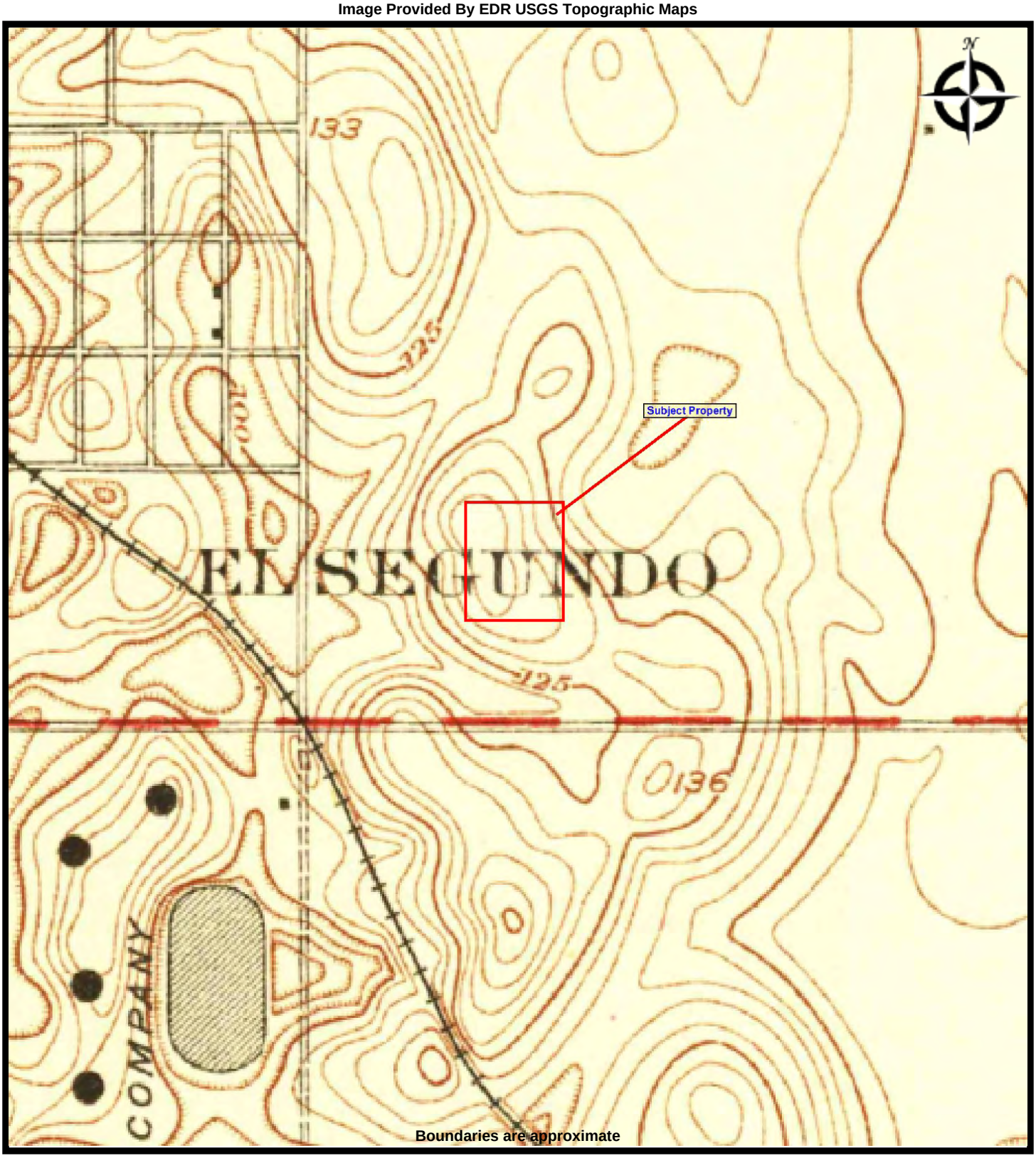
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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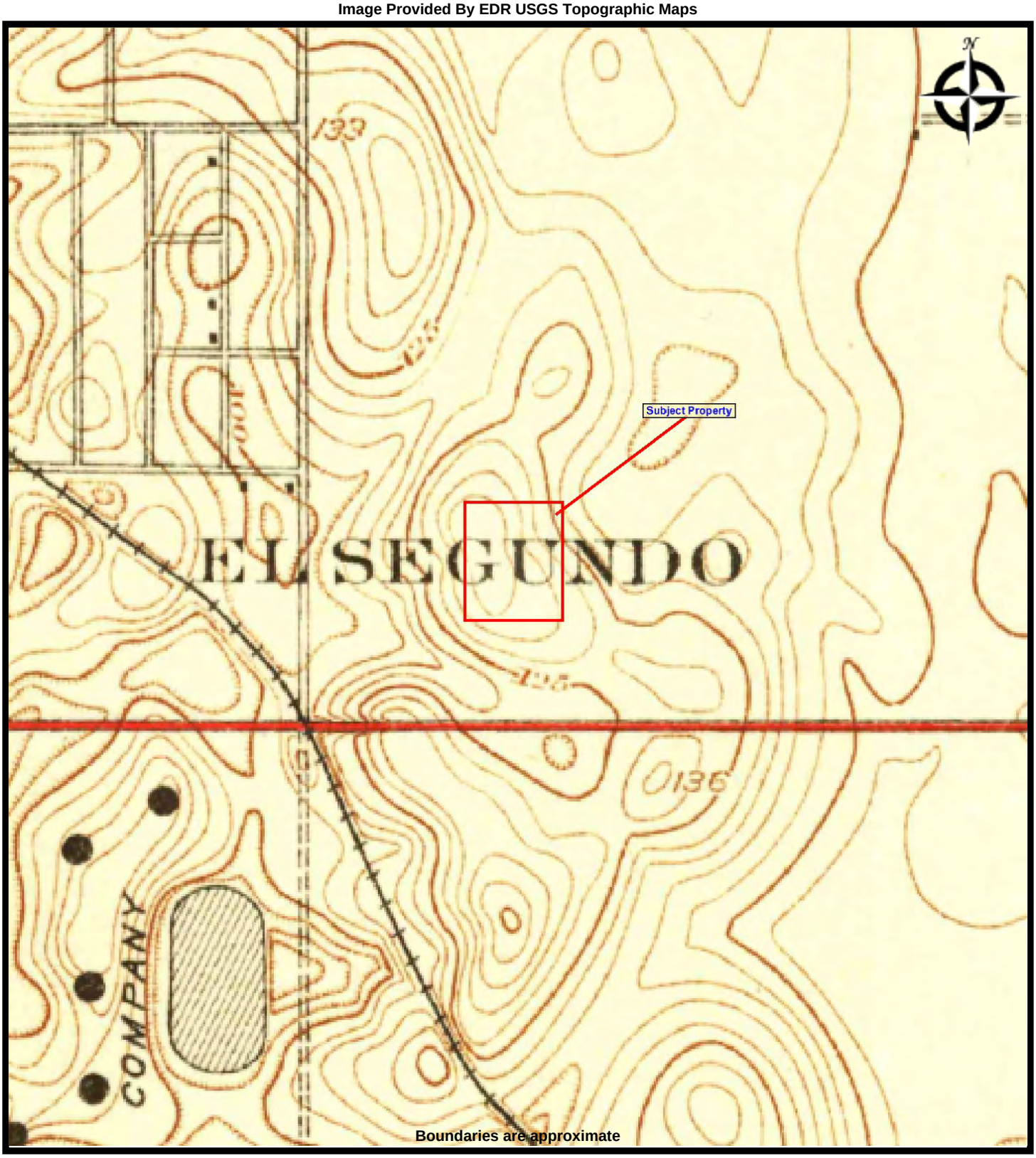
TOPO MAP - 1924
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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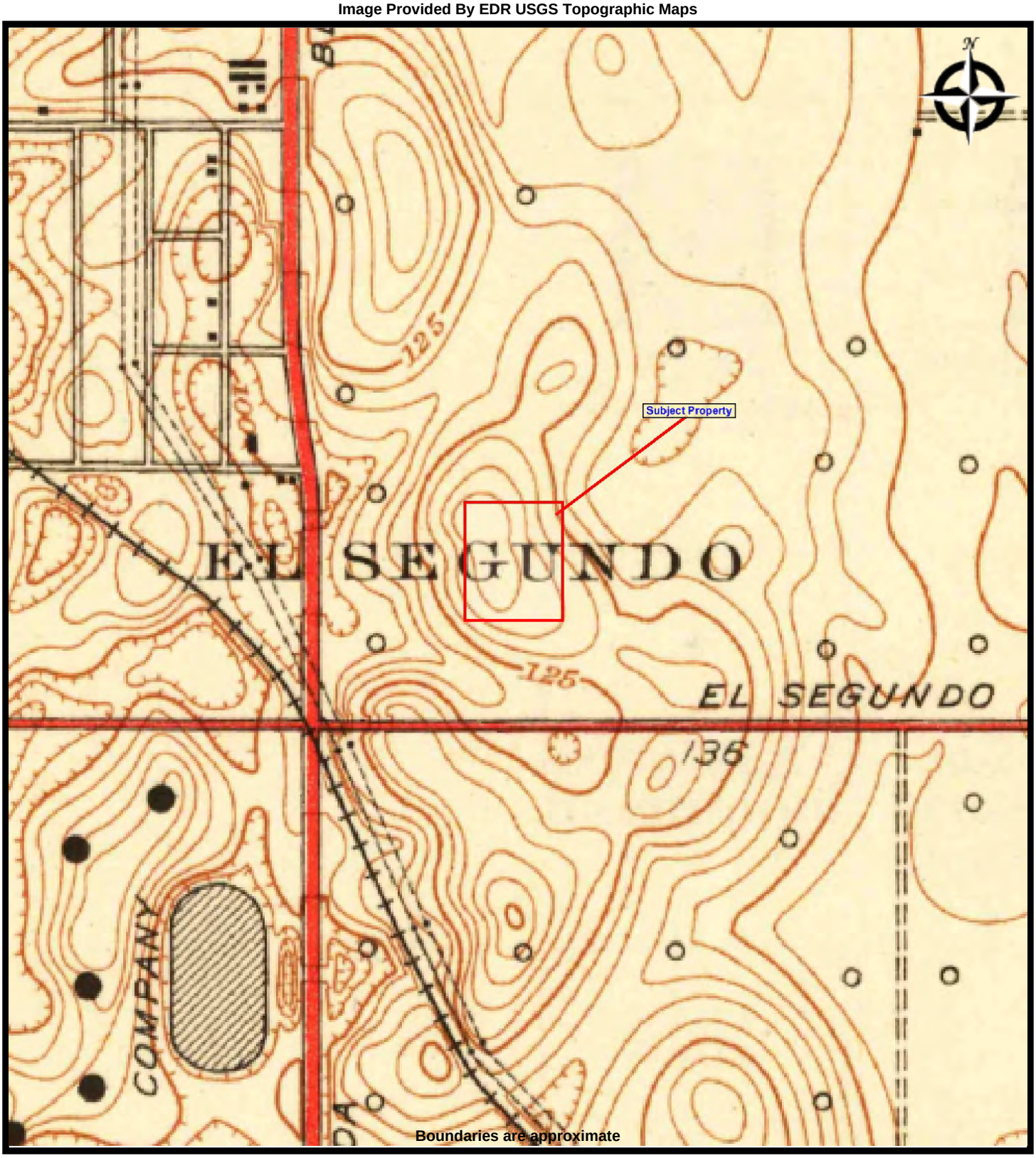
TOPO MAP - 1930
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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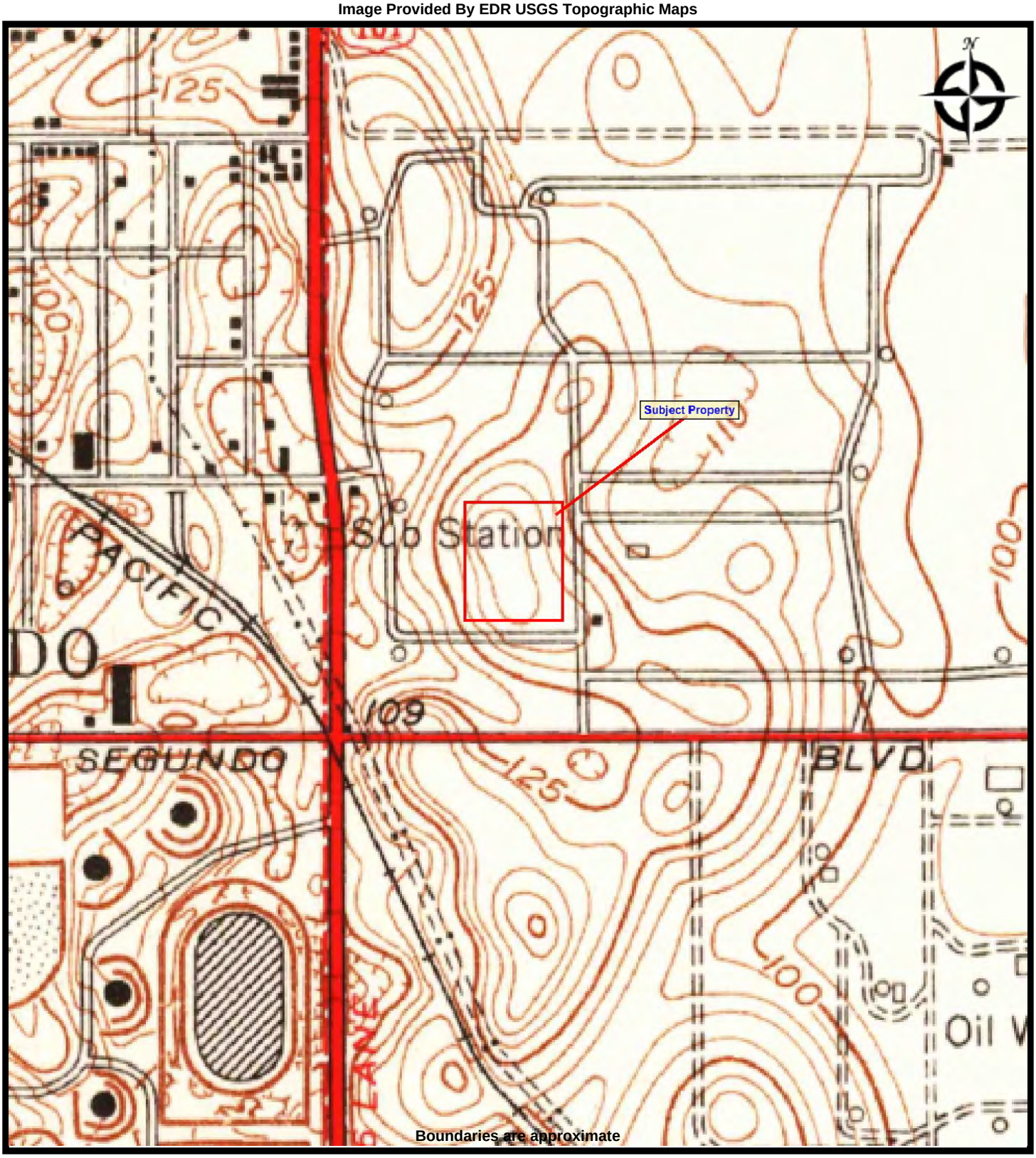
TOPO MAP - 1948
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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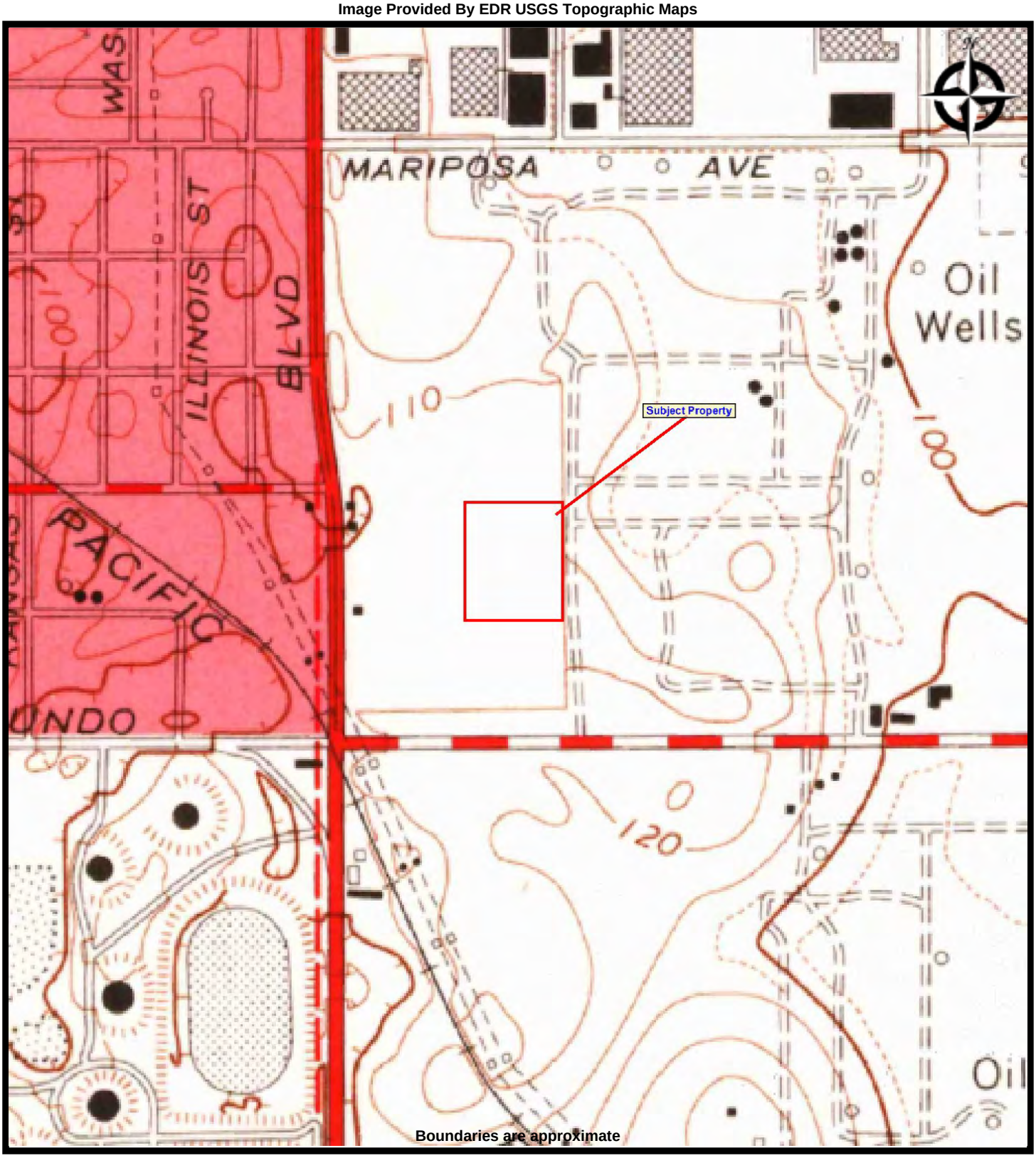
TOPO MAP - 1950
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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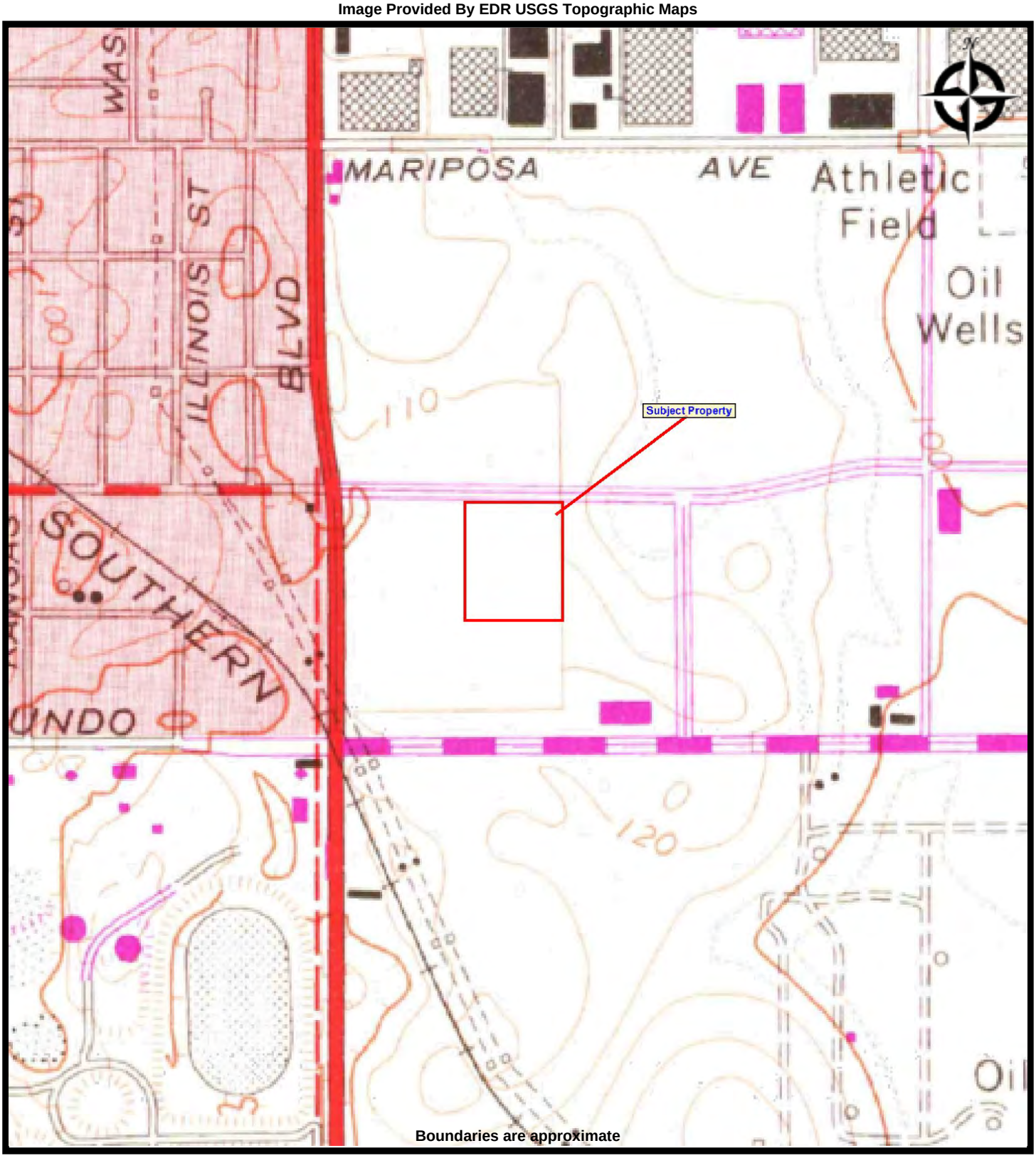
TOPO MAP - 1964
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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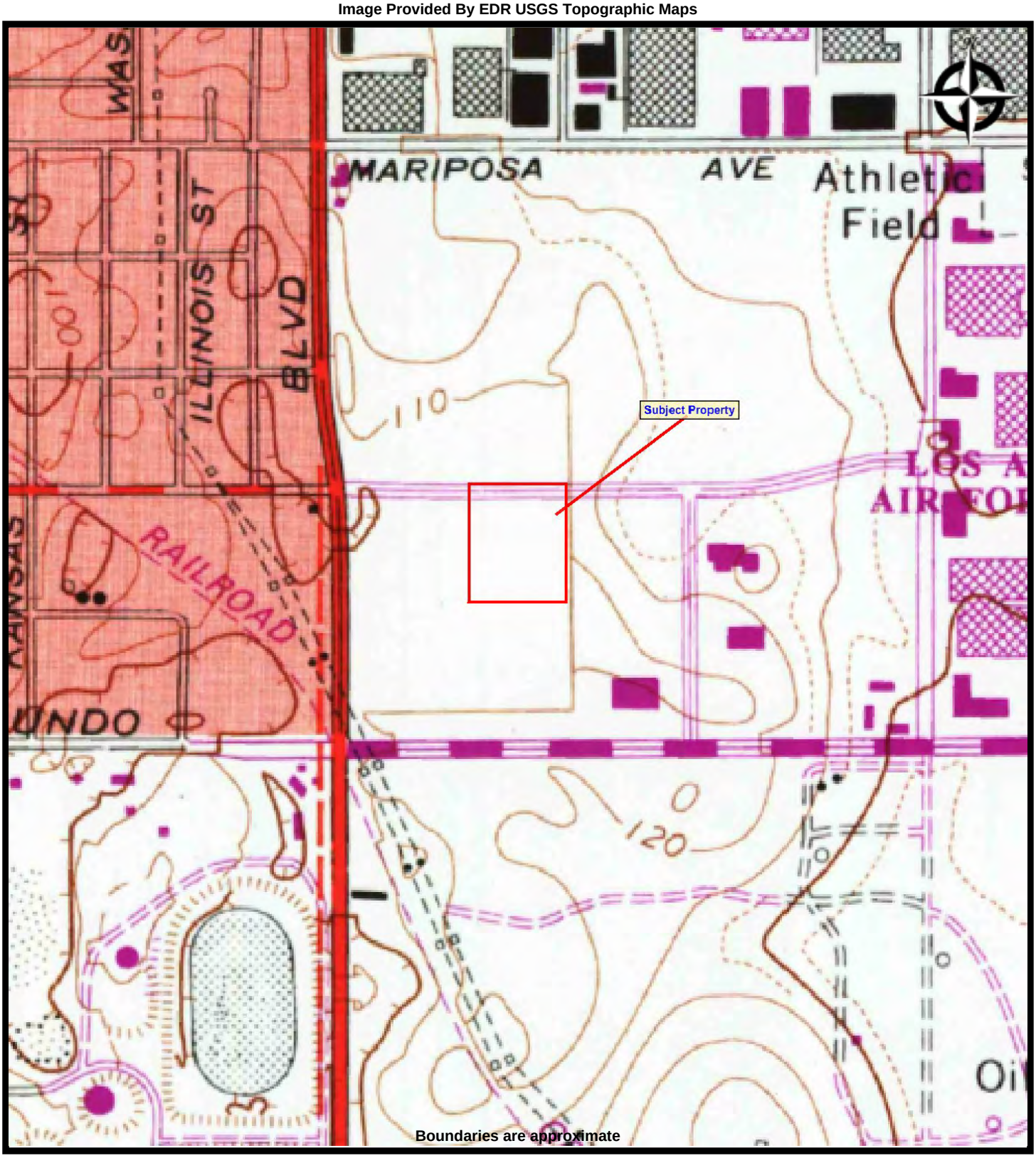
TOPO MAP - 1972
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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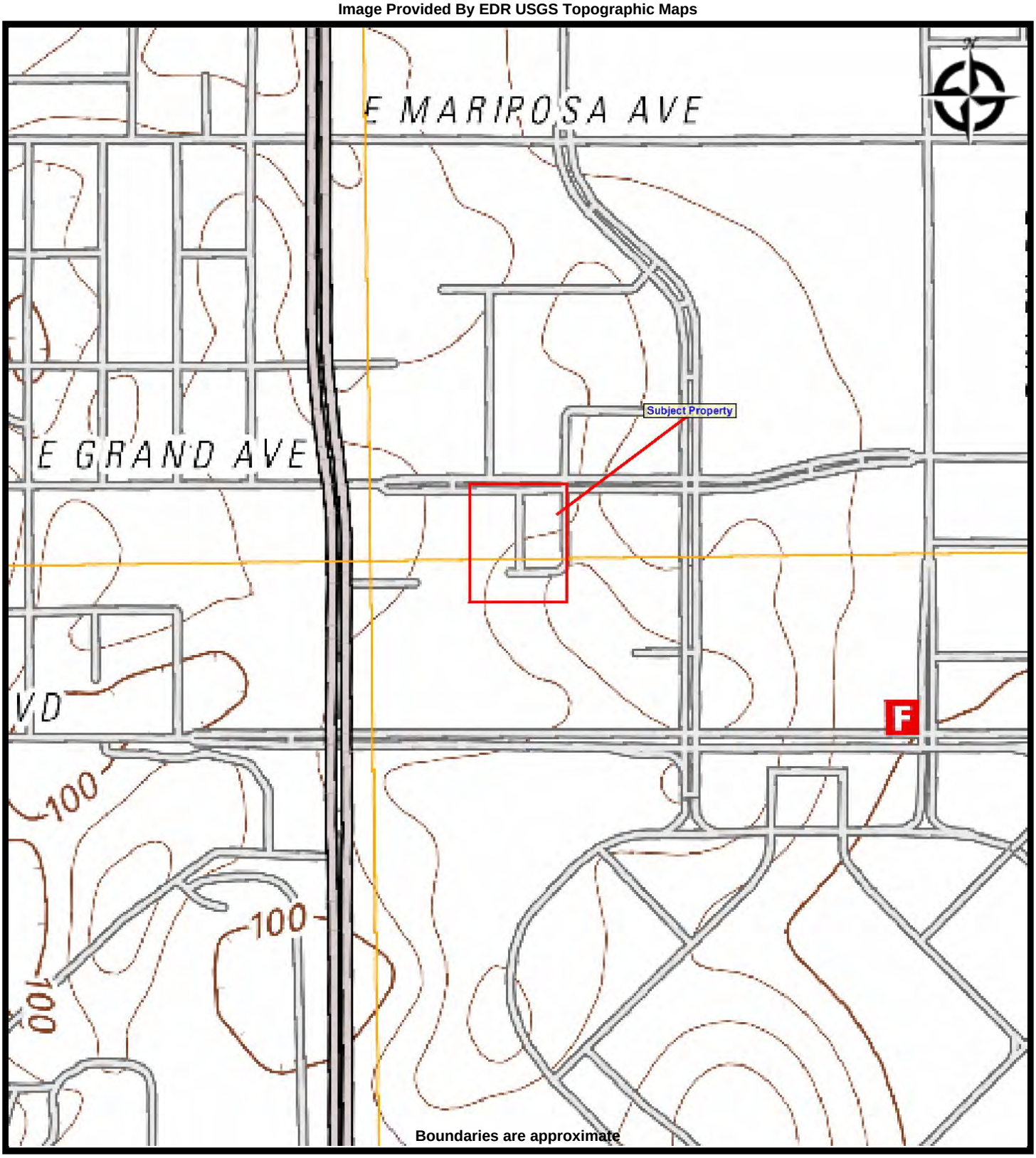
TOPO MAP - 1981
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

Image Provided By EDR USGS Topographic Maps



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TOPO MAP - 2012
1119006294 1960 E GRAND AVENUE CALIFORNIA
1960 E Grand Avenue
El Segundo, California 90245

PROJ. MGR: Beth Spatz
DRAWN BY: Mike Monis
DATE: 10/10/2019
PROJ. #: 1119006294

1960 E Grand Avenue

1960 E Grand Avenue

El Segundo, CA 90245

Inquiry Number: 5796768.3

September 19, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/19/19

Site Name:

1960 E Grand Avenue
1960 E Grand Avenue
El Segundo, CA 90245
EDR Inquiry # 5796768.3

Client Name:

EBI Consulting
21 B Street
Burlington, MA 01803
Contact: API User

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A5F8-4EAD-B359

PO # NA

Project NA

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: A5F8-4EAD-B359

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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1960 E Grand Avenue
1960 E Grand Avenue
El Segundo, CA 90245

Inquiry Number: 5796768.5
September 20, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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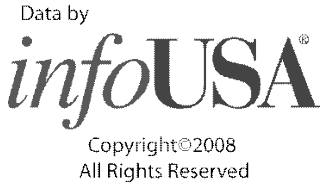

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone Co	-	X	X	-
	Pacific Bell Telephone Co	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell Telephone Co	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Pacific Bell Telephone Co	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	X	-
	Pacific Bell	X	-	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
	Pacific Bell Telephone Co	-	X	X	-
	Pacific Bell Telephone Co	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone Co	-	-	-	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directroy Co Publisher	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1960 E Grand Avenue
El Segundo, CA 90245

FINDINGS DETAIL

Target Property research detail.

E Grand Ave

1960 E Grand Ave

Year	*Uses*	*Source*
2014	ACE METRIX INC	EDR Digital Archive
	AERO CALIFORNIA AIRLINES	EDR Digital Archive
	AFI CALIFORNIA INC	EDR Digital Archive
	AIR NEW ZEALAND LIMITED	EDR Digital Archive
	ALL FREIGHT INTERNATIONAL INC	EDR Digital Archive
	ATK SPACE SYSTEMS INC	EDR Digital Archive
	AVASANT FOUNDATION	EDR Digital Archive
	AVASANT LLC	EDR Digital Archive
	AWR CORPORATION	EDR Digital Archive
	BLAKE JOSEPH J ASSOCIATES	EDR Digital Archive
	CAFE NICOLE	EDR Digital Archive
	CATHAY PACIFIC AIRWAYS LIMITED	EDR Digital Archive
	COLUMBUS ASPEN PARTNERS LLC	EDR Digital Archive
	COLUMBUS TECH & SVCS INC	EDR Digital Archive
	COOKINGCOM INC	EDR Digital Archive
	CORAMERICA CAPITAL LLC	EDR Digital Archive
	DONAHUE & HORROW LLP	EDR Digital Archive
	DRAGO ENERGY LLC	EDR Digital Archive
	ELM INSURANCE BROKERS INC	EDR Digital Archive
	EPSON ELECTRONICS AMERICA INC	EDR Digital Archive
	EXCELA TECHNOLOGY INC	EDR Digital Archive
	GEOFFREY M BREMER AN ACCTNCY	EDR Digital Archive
	GM BREMER & ASSOCIATES	EDR Digital Archive
	GRAND AVENUE COURTYARD LP	EDR Digital Archive
	GRANDPOINT BANK	EDR Digital Archive
	LIBERTY ELECTRONIC PAYMENT	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	MCCLOSKEY WARING & WAISMAN LLP	EDR Digital Archive
	MILGRAY LTD	EDR Digital Archive
	NIHON KEIZAI SHIMBUN AMERICA	EDR Digital Archive
	NIKKEI AMERICA INC	EDR Digital Archive
	PCCP IRG COLUMBUS LLC	EDR Digital Archive
	PINPOINT RESOURCE GROUP LLC	EDR Digital Archive
	REIMANN LAW GROUP	EDR Digital Archive
	RIESTER CORPORATION	EDR Digital Archive
	SAATCHI & SAATCHI N AMER INC	EDR Digital Archive
	SINTESI RESEARCH INC	EDR Digital Archive
	SYSENSE INCORPORATED	EDR Digital Archive
	TOKTWO INC	EDR Digital Archive
	WAXLER CARNER BRODSKY LLP	EDR Digital Archive
	WYLE INFORMATION SYSTEMS LLC	EDR Digital Archive
	WYLE LABORATORIES INC	EDR Digital Archive
	WYLE SERVICES CORPORATION	EDR Digital Archive
	ZOASIS CORPORATION	EDR Digital Archive
2010	ADENGAGE INC	EDR Digital Archive
	AERO CALIFORNIA AIRLINES	EDR Digital Archive
	AIR NEW ZEALAND LIMITED	EDR Digital Archive
	AJILON LLC	EDR Digital Archive
	ALWAYS AVAILABLE 24 HR EMRGNCY	EDR Digital Archive
	APPLIED WAVE RESEARCH INC	EDR Digital Archive
	ARQUE CAPITAL LTD	EDR Digital Archive
	AWR CORPORATION	EDR Digital Archive
	BELL INDUSTRIES INC	EDR Digital Archive
	CAFE NICOLE	EDR Digital Archive
	CATHAY PACIFIC AIRWAYS LIMITED	EDR Digital Archive
	CENTERCAL PROPERTIES LLC	EDR Digital Archive
	CORAMERICA CAPITAL LLC	EDR Digital Archive
	DONAHUE & HORROW LLP	EDR Digital Archive
	EMPIRE SECURITIES CORPORATION	EDR Digital Archive
	EPSON ELECTRONICS AMERICA INC	EDR Digital Archive
	EXCELA BUSINESS SERVICES	EDR Digital Archive
	EXCELA TECHNOLOGY INC	EDR Digital Archive
	GEOFFREY M BREMER AN ACCTNCY	EDR Digital Archive
	GM BREMER & ASSOCIATES	EDR Digital Archive
	GOODIES OF EL SEGUNDO	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	GRAND AVENUE COURTYARD LP	EDR Digital Archive
	HOODINY ENTERTAINMENT GROUP	EDR Digital Archive
	JOHN HANCOCK LIFE INSURANCE CO	EDR Digital Archive
	KIM HELEN AE	EDR Digital Archive
	KINEGEN LLC	EDR Digital Archive
	LIBERTY ELECTRONIC PAYMENT	EDR Digital Archive
	MAX SACKS INTERNATIONAL INC	EDR Digital Archive
	MICROSTRATEGY INCORPORATED	EDR Digital Archive
	MILGRAY LTD	EDR Digital Archive
	NIKKEI AMERICA INC	EDR Digital Archive
	PCCP IRG COLUMBUS LLC	EDR Digital Archive
	PINPOINT RESOURCE GROUP LLC	EDR Digital Archive
	QUANTS CAPITAL LLC	EDR Digital Archive
	RE SOURCES USA	EDR Digital Archive
	REIMANN LAW GROUP	EDR Digital Archive
	RIEDL MCCLOSKEY & WARING LLP	EDR Digital Archive
	RIESTER CORPORATION	EDR Digital Archive
	SAATCHI & SAATCHI N AMER INC	EDR Digital Archive
	SEIKO INSTRUMENTS INC	EDR Digital Archive
	SG2 LLC	EDR Digital Archive
	SOCIAL SECURITY ADMINISTRATION	EDR Digital Archive
	SOFTWARE MGMT CONSULTANT	EDR Digital Archive
	SOUTHERN CALIFORNIA SMART	EDR Digital Archive
	SOUTHLAND LF9 ASSOC LLC	EDR Digital Archive
	SYSENSE INCORPORATED	EDR Digital Archive
	TEAM ONE ADVERTISING	EDR Digital Archive
	TECHNOLOGY TRAINING CORP	EDR Digital Archive
	TOKTWO INC	EDR Digital Archive
	TRIMANA GRAND	EDR Digital Archive
	UNITED AIRLINES LONG BEACH	EDR Digital Archive
	URSPIN	EDR Digital Archive
	WAXLER CARNER BRODSKY LLP	EDR Digital Archive
	WEISS-ROHLIG USA LLC	EDR Digital Archive
	WHITSON ENGINEERS	EDR Digital Archive
	WYLE LABORATORIES INC	EDR Digital Archive

FINDINGS

E GRAND AVE

1960 E GRAND AVE

Year	Uses	Source
2001	BUILDING AEONCORP	Haines & Company, Inc.
2000	+ 1210 WAXLER CARKER WEINREB LLP	Pacific Bell Telephone Co
	+ 1210 WAXLERCARKERWEIRREB LLP	Pacific Bell Telephone Co
	+ 530 APPLIED WAVE RESEARCH INC	Pacific Bell Telephone Co
	1000 SILVER H & ASSOCIATES	Pacific Bell Telephone Co
	1000 TECHNOLOGY TRAINING CORP	Pacific Bell Telephone Co
	1090 SYSTEM ONE CORP	Pacific Bell Telephone Co
	1225 INFORMIX SOFTWARE	Pacific Bell Telephone Co
	150 GOODIES RESTAURANT	Pacific Bell Telephone Co
	500 PACIFIC COAST CAPITAL PARTNERS	Pacific Bell Telephone Co
	510 HINES INTEREST LIMITED PARTNERSHIP	Pacific Bell Telephone Co
	510 ROSSETTI ASSOCIATES ARCHITECTS	Pacific Bell Telephone Co
	510 ROSSETTIASSOCIATES ARCHITECTURAL	Pacific Bell Telephone Co
	520 LAN CHILE AIRLINES SALES OFC	Pacific Bell Telephone Co
	530 APPLIED WAVE RESEARCH INC	Pacific Bell Telephone Co
	540 INVESTMENT & RETIREMENT STRATEGIES INC	Pacific Bell Telephone Co
	550 AEON CORP	Pacific Bell Telephone Co
	555 AJILON SERVICES INC	Pacific Bell Telephone Co
	560 BELL INDUSTRIES	Pacific Bell Telephone Co
	570 RW SMITH & ASSOCIATES INC	Pacific Bell Telephone Co
	610 MARTINIESIGNASSOCIAii TES	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	MARTIN PROGRESSIVE LLC	Pacific Bell Telephone Co
	SOFTWARE MANAGEMENT CONSULTANTS INC	Pacific Bell Telephone Co
	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
1995	+ 520 LAN CHILE AIRLINES SALES OFC	Pacific Bell Telephone Co
	+ 530 QUEBECOR PRINTING USA CORP	Pacific Bell Telephone Co
	+ 560 PAC NET	Pacific Bell Telephone Co
	1070 CITICORP INDUSTRIAL CREDIT INC	Pacific Bell Telephone Co
	1100 AERO CALIFORNIA	Pacific Bell Telephone Co
	160 CAMERA	Pacific Bell Telephone Co
	500 OPEN UNIVERSAL SOFTWARE INC	Pacific Bell Telephone Co
	510 HOMART DEVELOPMENT	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1995	540 INVESTMENT	Pacific Bell Telephone Co
	550 FINN PARTNERS INC	Pacific Bell Telephone Co
	555 COMPUTER PEOPLE OF CALIF INC IN	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	BUSINESS RESEARCH CENTER	Pacific Bell Telephone Co
	Contd	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	MOUNT COOK TOURS	Pacific Bell Telephone Co
	PILOT SOFTWARE	Pacific Bell Telephone Co
	RETIREMENT STRATEGIES INC	Pacific Bell Telephone Co
	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
1991	Max Sacks International	Pacific Bell
	Sacks Max International	Pacific Bell
	Sacks Melvyn Douglas A Law Corp	Pacific Bell
	Sacks Michael VENICE 3929864	Pacific Bell
1990	AERO CALIFORNIA REGIONAL SALES OFFICE EL SEGUNDO	Pacific Bell
	+ 660 ELECTRONIC SECURITY SERVICES INC	Pacific Bell Telephone Co
	110 PERSONAINC	Pacific Bell Telephone Co
	150 OASIS CAFE	Pacific Bell Telephone Co
	510 HOMART DEVELOPMENT	Pacific Bell Telephone Co
	520 DESTINATION SOUTH PACIFIC	Pacific Bell Telephone Co
	530 ARCATA GRAPHICS GROUP	Pacific Bell Telephone Co
	540 RML FINANCIAL	Pacific Bell Telephone Co
	550 BBN COMMUNICATIONS CORP	Pacific Bell Telephone Co
	560 MAX SACKS INTERNATIONAL	Pacific Bell Telephone Co
	650 PANSOPHIC SYSTEMS INC	Pacific Bell Telephone Co
	660 BIGHAM GILSON & MCLAINIE	Pacific Bell Telephone Co
	660 SULLIVAN ED ASSOCIATES	Pacific Bell Telephone Co
	830 HERCGENRATHER & CO	Pacific Bell Telephone Co
	AIR NEW ZEALANBD	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	DOMINOS PIZZA	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	JETSET ASIA DIVISION	Pacific Bell Telephone Co
	JETSET TOURS	Pacific Bell Telephone Co
	MOUNT COOK TOURS	Pacific Bell Telephone Co
	POWERMARKETING INC	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1990	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
	WELLS FARGO REALTY ADVISORS	Pacific Bell Telephone Co

GRAND AVE

1960 GRAND AVE

Year	Uses	Source
2000	EPSON AMERICA	Pacific Bell Telephone Co

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CONTINENTAL BLVD

303 CONTINENTAL BLVD

Year	Uses	Source
1942	LOUDON JAMES & CO James Loudon U S Customs Brokers and Forwarding Agents	Los Angeles Directory Co.
1937	LOUDON JAMES & CO James Loudon U Customs Brokers and Forwarding Agents	Los Angeles Directory Co.

307 CONTINENTAL BLVD

Year	Uses	Source
1937	CALIFORNIA TEACHERS ASSOCIATION SOUTHERN SECTION F L Thurston Executive Secretary	Los Angeles Directory Co.
1933	CALIFORNIA TEACHERS ASSOCIATION SOUTHERN SECTION F L Thurston Executive Secretary	Los Angeles Directory Co.

333 CONTINENTAL BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
2000	MATTELING	Pacific Bell Telephone Co
1990	BARRYMORE S C J OF L A INC EL SEGUNDO	Pacific Bell
	BARRYMORE S EL SEGUNDO	Pacific Bell
	BARRYMORES C J OF L A INC	Pacific Bell Telephone Co

355 CONTINENTAL BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

E GRAND AVE

1930 E GRAND AVE

Year	Uses	Source
2001	CADENCE DESIGN	Haines & Company, Inc.
2000	CADENCE DESIGN	Pacific Bell Telephone Co

FINDINGS

1938 E GRAND AVE

Year	Uses	Source
1933	Mc DONOUGH Thos E	Los Angeles Directory Co.

1955 E GRAND AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	UNITED AIRLINES CAFETERIA	Pacific Bell Telephone Co
1990	UNITED AIRLINES TICKET OFFICES	Pacific Bell
1986	UNITED AIRLINES TICKET OFFICES	Pacific Bell
1985	UNITED AIRLINES AIR CARGO	Pacific Bell
1981	UNITED AIRLINES TICKET OFFICES	Pacific Telephone

E Grand Ave

1970 E Grand Ave

Year	Uses	Source
2014	AIR TAHITI NUI	EDR Digital Archive
	PREFERRED CONVENTION SVCS INC	EDR Digital Archive
	AMERICAN BOARD MED ACUPUNCTURE	EDR Digital Archive
	ALLIANCE AREA BUS PUBLICATIONS	EDR Digital Archive
	CITY AND REGIONAL MAG ASSN	EDR Digital Archive
	MTC TECHNOLOGIES	EDR Digital Archive
	PARENTING PUBLICATIONS AMERICA	EDR Digital Archive
	L A OBSTTRCAL GYNCOLOGICAL SOC	EDR Digital Archive
	LOS ANGELES OBSTETRICAL AND GY	EDR Digital Archive
	DOWDEN ENTERPRISES INC	EDR Digital Archive
	AMER FOUND MEDICAL ACUPUNCTURE	EDR Digital Archive
	AMERICAN ACDEMY MED ACPUNCTURE	EDR Digital Archive
	STREAMLINED FUSION	EDR Digital Archive
	SO CAL CHAP OF AMER DOLL SURGE	EDR Digital Archive
	VOCALIZE NETWORK	EDR Digital Archive
	ENSCO INC	EDR Digital Archive
	SKYHAWK WIRELESS LLC	EDR Digital Archive
	OUTSOURCE LLC	EDR Digital Archive
2010	OUTSOURCE TELECOM LLC	EDR Digital Archive
	OUTSOURCE MEDICAL INC	EDR Digital Archive
	SKYHAWK WIRELESS LLC	EDR Digital Archive

Year	Uses	Source
2010	TICKETCLUB LLC	EDR Digital Archive
	ENSCO INC	EDR Digital Archive
	AMER FOUND MEDICAL ACUPUNCTURE	EDR Digital Archive
	SO CAL CHAP OF AMER DOLL SURGE	EDR Digital Archive
	EMPYREAN BILLING SOLUTIONS	EDR Digital Archive
	DOWDEN ENTERPRISES INC	EDR Digital Archive
	BIOHORIZON MEDICAL INC	EDR Digital Archive
	TRINOVO CARE INC	EDR Digital Archive
	CITY AND REGIONAL MAG ASSN	EDR Digital Archive
	KERSTINER CHRIS	EDR Digital Archive
	FROGS OF LA COUNTY INC	EDR Digital Archive
	LOS ANGELES SURGICAL SOCIETY	EDR Digital Archive
	AMER FOUND MEDICAL ACUPUNCTURE	EDR Digital Archive
	AMER FDN MEDICAL ACUPUNCTURE	EDR Digital Archive
	AMERICAN BOARD MED ACUPUNCTURE	EDR Digital Archive
	MTC TECHNOLOGIES	EDR Digital Archive
	L A OBSTTRCAL GYNCOLOGICAL SOC	EDR Digital Archive
	PARENTING PUBLICATIONS AMERICA	EDR Digital Archive
	ALLIANCE AREA BUS PUBLICATIONS	EDR Digital Archive
	SHAKEYS FRANCHISED DEALERS	EDR Digital Archive
	INVESTMENT RTREMENT STRATEGIES	EDR Digital Archive
	FUTUREKIDS	EDR Digital Archive
	GLOBAL CROSSING NORTH AMERICA	EDR Digital Archive

E GRAND AVE

1970 E GRAND AVE

Year	Uses	Source
2001	i FRONTIER	Haines & Company, Inc.
2000	100 FRONTIER COMMUNICATIONS	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	Contd	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	SUMMIT COMMERCIALLOG ASSET MANAGEMENT	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	REAL ESTATE NEWS TELEVISION	Pacific Bell Telephone Co

FINDINGS

1985 E GRAND AVE

Year	Uses	Source
2001	DOUBLETRE	Haines & Company, Inc.
2000	KATHY GIFT SHOP	Pacific Bell Telephone Co
	DOUBLETREE CLUB HOTEL LA INTERNATIONAL	Pacific Bell Telephone Co
1995	K JS GIFTS	Pacific Bell Telephone Co
	HOTEL LA INTERNATIONAL	Pacific Bell Telephone Co
	DOUBLETREE CLUB	Pacific Bell Telephone Co
1990	COMPRI HOTEL	Pacific Bell Telephone Co
	COMPRI HOTEL EL SEGUNDO	Pacific Bell

1990 E GRAND AVE

Year	Uses	Source
2000	ADVANCED HI TECH CORP	Pacific Bell Telephone Co
1995	HUGHES COMMUNICATIONS INC	Pacific Bell Telephone Co
1990	HUGHES COMMUNICATIONS SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS SATELLITE SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS GALAXY INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS CARRIER SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS INC	Pacific Bell Telephone Co

2075 E GRAND AVE

Year	Uses	Source
1940	Whitchurch J D	Los Angeles Directroy Co Publisher

2089 E GRAND AVE

Year	Uses	Source
1940	Mead R W	Los Angeles Directroy Co Publisher

N Sepulveda Blvd

200 N Sepulveda Blvd

Year	Uses	Source
2014	ERNST & YOUNG LLP	EDR Digital Archive
	FNI INTERNATIONAL INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	CETERA FINANCIAL GROUP INC	EDR Digital Archive
	CHEVRONTEXACO CREDIT UNION	EDR Digital Archive
	UNION SECURITY INSURANCE CO	EDR Digital Archive
	ADVANTAGE SALES & MKTG INC	EDR Digital Archive
	TRELLBORG SLING SLTIONS US INC	EDR Digital Archive
	PRIMESTAR INC	EDR Digital Archive
	GRANCELL LEBOVITZ STANDER R	EDR Digital Archive
	EXPERIAN MKTG SOLUTIONS INC	EDR Digital Archive
	HALL LAW CORPORATION	EDR Digital Archive
	WATERS MCCLUSKEY & BOEHLE	EDR Digital Archive
	ORACLE CORPORATION	EDR Digital Archive
	MTM TECHNOLOGIES INC	EDR Digital Archive
	CETERA FINANCIAL HOLDINGS INC	EDR Digital Archive
	BOSSE MICHAEL	EDR Digital Archive
	PROPERTY MANAGEMENT SYSTEMS	EDR Digital Archive
	CLUB AT PACIFIC CORP TOWERS	EDR Digital Archive
	FN INSURANCE SERVICES INC	EDR Digital Archive
	FORTIS BENEFITS	EDR Digital Archive
	PRIMEVEST INSUR AGCY OF TEXAS	EDR Digital Archive
	INNOVATIVE SOLUTIONS INSURAN	EDR Digital Archive
	PACIFIC CORPORATE TOWERS LLC	EDR Digital Archive
	TEKSYSTEMS INC	EDR Digital Archive
	EVA AIRWAYS CORPORATION	EDR Digital Archive
	JUST DOWNSTAIRS	EDR Digital Archive
	ING WEALTH SOLUTIONS LLC	EDR Digital Archive
	MASC	EDR Digital Archive
	CETERA FINANCIAL GROUP INC	EDR Digital Archive
	PAERKING CONCEPTS INC	EDR Digital Archive
	JOHNSON & JOHNSON HEALTH CARE	EDR Digital Archive
2010	JOHNSON & JOHNSON HEALTH CARE	EDR Digital Archive
	PAERKING CONCEPTS INC	EDR Digital Archive
	ING BROKERS NETWORK LLC	EDR Digital Archive
	ARIZONA TELECOMMUNICATION INC	EDR Digital Archive
	BINEX CUSTOMS SERVICES INC	EDR Digital Archive
	LRK BROKERAGE SERVICES INC	EDR Digital Archive
	WALL STREET DELI SYSTEMS INC	EDR Digital Archive
	MSD LINE INC	EDR Digital Archive
	TEKSYSTEMS INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	SYMPHONYIRI GROUP INC	EDR Digital Archive
	BINEX LINE CORP	EDR Digital Archive
	PACIFIC CORPORATE TOWERS LLC	EDR Digital Archive
	INNOVATIVE SOLUTIONS INSURAN	EDR Digital Archive
	FN INSURANCE SERVICES INC	EDR Digital Archive
	FORTIS BENEFITS	EDR Digital Archive
	BOSSE MICHAEL	EDR Digital Archive
	EVA AIRWAYS CORPORATION	EDR Digital Archive
	ALWAYS AFFCTIVE AVLBLE EMRGNCY	EDR Digital Archive
	PROPERTY MANAGEMENT SYSTEMS	EDR Digital Archive
	WAJID INC	EDR Digital Archive
	MISFIT LLC	EDR Digital Archive
	PRIMESTAR INC	EDR Digital Archive
	JUST DOWNSTAIRS	EDR Digital Archive
	VELOCITY INTERNET LLC	EDR Digital Archive
	NETWORK CATALYST INC	EDR Digital Archive
	CLUB AT PACIFIC CORP TOWERS	EDR Digital Archive
	CETERA FINANCIAL GROUP INC	EDR Digital Archive
	MTM TECHNOLOGIES INC	EDR Digital Archive
	PFS WEB	EDR Digital Archive
	ON SITE	EDR Digital Archive
	ECOST LLC	EDR Digital Archive
	PRUETZ LAW GROUP LLP	EDR Digital Archive
	WATERS MCCLUSKEY & BOEHLE	EDR Digital Archive
	DRAGON BOOKS LLC	EDR Digital Archive
	BOEING SATELLITE SYSTEMS INTL	EDR Digital Archive
	FINANCIAL NETWORK INV CORP	EDR Digital Archive
	FNI INTERNATIONAL INC	EDR Digital Archive
	ING FINANCIAL ADVISERS LLLC	EDR Digital Archive
	UNION SECURITY INSURANCE CO	EDR Digital Archive
	MAIL CO MEDIA CORP	EDR Digital Archive

222 N Sepulveda Blvd

Year	Uses	Source
2014	DEFENSE UNITED STATES DEPT	EDR Digital Archive
	ASSOCIATED FINANCIAL GROUP INC	EDR Digital Archive
	GAMEHI INC	EDR Digital Archive
	DAVINCI VIRTUAL LLC	EDR Digital Archive
	ALLIANCE BUSINESS CENTERS	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	PCCP CENTRAL VALLEY LAND FUND	EDR Digital Archive
	WPV SAN JOSE LLC	EDR Digital Archive
	MAACO ENTERPRISE	EDR Digital Archive
	KYOCERA INTERNATIONAL INC	EDR Digital Archive
	ACH HOMES INC	EDR Digital Archive
	MC PHERSON DEBORAH	EDR Digital Archive
	MEDASSETS INC	EDR Digital Archive
	ITOCHU AVIATION INC	EDR Digital Archive
	TRI-UNION FROZEN PRODUCTS INC	EDR Digital Archive
	CS CAPITAL MANAGEMENT INC	EDR Digital Archive
	MORGAN FINANCIAL INTERACTIONS	EDR Digital Archive
	CHAPMAN CAPITAL LLC	EDR Digital Archive
	PAYUPSUCKER PRODUCTIONS INC	EDR Digital Archive
	SHINING STARS PEDIATRIC	EDR Digital Archive
	JOHNSTON AUTO GLASS	EDR Digital Archive
	LIBERTY MUTUAL INSURANCE CO	EDR Digital Archive
	PREMIER BUSINESS CENTERS	EDR Digital Archive
	PCCP JSP STHGATE APRTMENTS LLC	EDR Digital Archive
	ESCONDIDO MV/MB LLC	EDR Digital Archive
	OHASHI & PRIVER	EDR Digital Archive
	FIRST MANHATTAN GROUP INC	EDR Digital Archive
	ADVANTAGE WOUND CARE	EDR Digital Archive
	ROBERT MARRIOTT MEDICAL CORP	EDR Digital Archive
	GOVERNMENTJOBSCOM INC	EDR Digital Archive
	PTC INC	EDR Digital Archive
	VELOCIFY INC	EDR Digital Archive
	NETAPP INC	EDR Digital Archive
	SPECTAK LLC	EDR Digital Archive
	CONTINENTAL GRAPHICS CORP	EDR Digital Archive
	TERRAIN PHARMACEUTICALS LLC	EDR Digital Archive
	AQUA TAN INC	EDR Digital Archive
	THREE BOND INTERNATIONAL INC	EDR Digital Archive
	RAPP WORLDWIDE INC	EDR Digital Archive
	WESTFORM INDUSTRIES	EDR Digital Archive
	NGUYEN DENTAL INC	EDR Digital Archive
	SGT INC	EDR Digital Archive
	INNOVATION CAPITAL HOLDING LLC	EDR Digital Archive
	PICO GRAMERCY LTD PARTNERSHIP	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	PCCP SG KEARNY OTAY BIP I LLC	EDR Digital Archive
	PCCP CR VI REIT-SUB HOLDCO LLC	EDR Digital Archive
	PACIFICCAL LAND LLC	EDR Digital Archive
	ROCKFUSION INVESTMENTS LLC	EDR Digital Archive
	PCCP JSP GRNTREE APRTMENTS LLC	EDR Digital Archive
	PCCP CAPITAL II LP	EDR Digital Archive
	ADISHIAN CAPITAL CORP	EDR Digital Archive
	2350 MISSION INVESTORS LLC	EDR Digital Archive
	KOHALA INVESTORS LLC	EDR Digital Archive
	CENTRAL NEWARK INVESTORS LLC	EDR Digital Archive
	BARBER LANE INVESTORS LLC	EDR Digital Archive
	AVANTI HOSPITAL HOLDINGS I LLC	EDR Digital Archive
	RCFC AUSTIN HOLDINGS GP LLC	EDR Digital Archive
	PCCP/FPA LA CASCADA TIC LLC	EDR Digital Archive
	RB/LB SEARCH INC	EDR Digital Archive
	ADECCO	EDR Digital Archive
	EXPERIS US INC	EDR Digital Archive
	CENTURY GROUP INTL INC	EDR Digital Archive
	REGAN KAUFMAN	EDR Digital Archive
	ADECCO USA INC	EDR Digital Archive
	MIXED SIGNALS INC	EDR Digital Archive
	ZQGAME INC	EDR Digital Archive
	SIERRA SYSTEMS INC	EDR Digital Archive
	INTERNATIONAL PROCESSING SVCS	EDR Digital Archive
	VELOCIFY INC	EDR Digital Archive
	SECURED LEASING INC	EDR Digital Archive
	MED-LEGAL HEALTHCARE CONS INC	EDR Digital Archive
	WATERS & KRAUS LLP	EDR Digital Archive
	PUBLIC AGENCY LAW	EDR Digital Archive
	DLJ LAW FIRM	EDR Digital Archive
	CRADLE LOS ANGELES FOUNDATION	EDR Digital Archive
	430 SIERRA INC	EDR Digital Archive
	770 SEPULVEDA LLC	EDR Digital Archive
	REMATERIALS INC	EDR Digital Archive
	GUSTAFSON NICOLAI PC	EDR Digital Archive
	ROCKLAND COMMERCIAL	EDR Digital Archive
	WAITE SCOTT	EDR Digital Archive
	GKK CORP	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	DOOR TO DOOR VASCULAR	EDR Digital Archive
	IE LAW GROUP	EDR Digital Archive
	VLSS OF CALIFORNIA LLC	EDR Digital Archive
	ULTIMATE NEGOTIATION	EDR Digital Archive
	ADW-NO1 LLC	EDR Digital Archive
	DHS OIG	EDR Digital Archive
	AVANIT	EDR Digital Archive
	GARDENA HOSPITAL LP	EDR Digital Archive
	BOREN OSHER & LUFTMAN	EDR Digital Archive
	DELL INDUSTRIAL CAMPBELL LLC	EDR Digital Archive
	EDGE BLUE PACIFIC INC	EDR Digital Archive
	NEXON M INC	EDR Digital Archive
	GIDEON PARTNERS LLC	EDR Digital Archive
	AFFORDABLE DENTAL MEDFORD	EDR Digital Archive
	REDWOOD CAPITAL FINANCE CO LLC	EDR Digital Archive
	SHARP DECISIONS INC	EDR Digital Archive
	CONTENTGUARD HOLDINGS INC	EDR Digital Archive
	MP PORTFOLIO VII ASSOC LLC	EDR Digital Archive
	SIERRA SYSTEMS INC	EDR Digital Archive
	RIGHT MANAGEMENT INC	EDR Digital Archive
	LIVERMORE AIRWAY ASSOC LLC	EDR Digital Archive
	WOODLANDCO	EDR Digital Archive
	TURNKEY DIRECT RESPONSE LLC	EDR Digital Archive
	PRCP MANAGEMENT LLC	EDR Digital Archive
	RIGHT MANAGEMENT INC	EDR Digital Archive
	BELLWETHER ASSET MANAGEMENT	EDR Digital Archive
	QIC US MANAGEMENT INC	EDR Digital Archive
	AVANTI HEALTH SYSTEM LLC	EDR Digital Archive
	PHARMACEUTICAL STRATEGIES LLC	EDR Digital Archive
	ETONIEN LLC	EDR Digital Archive
	CFO 911	EDR Digital Archive
	ELEMENT CONSULTING GROUP	EDR Digital Archive
	ADVANTAGE SCI LLC	EDR Digital Archive
	INSPECTOR GENERAL OFFICE OF	EDR Digital Archive
	INTERNAL REVENUE SERVICE	EDR Digital Archive
	GKKWORKS CONSTRUCTION SERVICES	EDR Digital Archive
	DEFENSE CONTRACT MGT AGCY	EDR Digital Archive
	DEFENSE LOGISTICS AGENCY	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	BOEING COMPANY	EDR Digital Archive
	RED BAR GRILL	EDR Digital Archive
	FORSYTHE SOLUTIONS GROUP INC	EDR Digital Archive
	GALORATH INCORPORATED	EDR Digital Archive
	VLSS LLC	EDR Digital Archive
	NORMAN G JENSEN INC	EDR Digital Archive
	LIVINGSTON INTERNATIONAL INC	EDR Digital Archive
	BGPC LAS PALMAS LLC	EDR Digital Archive
	NATIONAL AIR CARGO INC	EDR Digital Archive
	THAI AIRWAYS INTL PUB CO LTD	EDR Digital Archive
	AMERICAN EXPRESS TRAVEL	EDR Digital Archive
	SCANDINAVIAN ARLN N AMER INC	EDR Digital Archive
	OVERLOOK SYSTEMS TECH INC	EDR Digital Archive
	NICHOLAS JAMES G CPA	EDR Digital Archive
	EMIRATES AIRLINES INC	EDR Digital Archive
	SINGAPORE AIRLINES LIMITED	EDR Digital Archive
	AMERICAN AIRLINES INC	EDR Digital Archive
	TASC INC	EDR Digital Archive
	VAAU INC	EDR Digital Archive
	ACCESS COMMUNITY HOUSING INC	EDR Digital Archive
	TREASRY EMPLYS UNN IND CHP 198	EDR Digital Archive
2010	ISI	EDR Digital Archive
	POWER SOURCES MFRS ASSN INC	EDR Digital Archive
	INTERWEST TECHNOLOGIES CORP	EDR Digital Archive
	VAAU INC	EDR Digital Archive
	EMIRATES AIRLINES INC	EDR Digital Archive
	SINGAPORE AIRLINES LIMITED	EDR Digital Archive
	AMERICAN AIRLINES INC	EDR Digital Archive
	DKP DESIGNS INC	EDR Digital Archive
	CLEVELAND RESEARCH CO	EDR Digital Archive
	JEFFERSON WELLS INTL INC	EDR Digital Archive
	MARC CHARLES PHELPS CPA	EDR Digital Archive
	NICHOLAS JAMES G CPA	EDR Digital Archive
	NETWAVE COMMUNICATIONS	EDR Digital Archive
	NORTHROP GRUMMAN INFO TECH	EDR Digital Archive
	THAI AIRWAYS INTL PUB CO	EDR Digital Archive
	SCANDINAVIAN ARLN N AMER INC	EDR Digital Archive
	AMERICAN EXPRESS TRAVEL	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	NEXT STAGE LOGISTICS	EDR Digital Archive
	NATIONAL AIR CARGO INC	EDR Digital Archive
	EL TECOLOTE CAFE INC	EDR Digital Archive
	LUNA CORPORATE SECURITY	EDR Digital Archive
	OFFICE OF INSPECTOR GENERAL	EDR Digital Archive
	BOEING COMPANY	EDR Digital Archive
	DEFENSE CONTRACT MGT AGCY	EDR Digital Archive
	DEFENSE LOGISTICS AGENCY	EDR Digital Archive
	YOUTH EMPOWERMENT SERVICES FOU	EDR Digital Archive
	MARATECH CORP	EDR Digital Archive
	MPR ASSOC	EDR Digital Archive
	VAAU CONSULTING	EDR Digital Archive
	SANAE CONSULTING INC	EDR Digital Archive
	CAPITAL 360 LLC	EDR Digital Archive
	LUMINA HEALTHCARE	EDR Digital Archive
	ACTIVE ASSET MANAGEMENT	EDR Digital Archive
	CONTENTGUARD INC	EDR Digital Archive
	PERRY JOHNSON INC	EDR Digital Archive
	WOODLANDCO	EDR Digital Archive
	BENJAMIN MANAGEMENT GROUP INC	EDR Digital Archive
	SOVEREIGN CAPITL RESOURCES LLC	EDR Digital Archive
	RIGHT MANAGEMENT CONS INC	EDR Digital Archive
	ABBEYS BAIL BONDS	EDR Digital Archive
	PAULA N WHITE DESIGNS	EDR Digital Archive
	DUSHESS WAXING CONCEPTS	EDR Digital Archive
	VITSA CAFE	EDR Digital Archive
	CORRIDEX INC	EDR Digital Archive
	SHARP DECISIONS INC	EDR Digital Archive
	KOHALA INVESTORS LLC	EDR Digital Archive
	DUCHESNE COMPANY LLC	EDR Digital Archive
	GHAHREMAN CYRUS	EDR Digital Archive
	MEREDITH ENTERPRISES	EDR Digital Archive
	LIVERMORE AIRWAY ASSOC LLC	EDR Digital Archive
	UMAMOTO & ASSOCIATES	EDR Digital Archive
	CENTURY GROUP INTL INC	EDR Digital Archive
	BJK & JLS ENTERPRISES INC	EDR Digital Archive
	SIEGEL FRAND PARTNERS	EDR Digital Archive
	PICO GRAMERCY LTD PARTNERSHIP	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	PRECISION DATA SOLUTIONS INC	EDR Digital Archive
	FREMONT DENTAL GROUP	EDR Digital Archive
	FRYE ENTERPRISES INC	EDR Digital Archive
	CHABNER LAW GROUP	EDR Digital Archive
	PUBLIC AGENCY LAW	EDR Digital Archive
	HOGARTH & ASSOC	EDR Digital Archive
	LAW OFFICES OF RICHARD LENSE	EDR Digital Archive
	HOFFMAN & CHODLER LLP	EDR Digital Archive
	TRUAX TIMOTHY M LAW OFFICE OF	EDR Digital Archive
	LAW OFFICES SHANNON OC NELSON	EDR Digital Archive
	WATERS & KRAUS LLP	EDR Digital Archive
	SECURED LEASING INC	EDR Digital Archive
	LEADS 360	EDR Digital Archive
	SOFTWARE COMPONENTS GROUP	EDR Digital Archive
	SIERRA SYSTEMS INC	EDR Digital Archive
	INTERNATIONAL PROCESSING SVCS	EDR Digital Archive
	GENERAL DYNAMICS ADV INF SYS	EDR Digital Archive
	ARC CONSULTING	EDR Digital Archive
	MIXED SIGNALS INC	EDR Digital Archive
	HEIDRICK & STRUGGLES INTL INC	EDR Digital Archive
	CORPORATE DYNAMIX	EDR Digital Archive
	REGAN KAUFMAN	EDR Digital Archive
	RB/LB SEARCH INC	EDR Digital Archive
	CENTURY GROUP INTL INC	EDR Digital Archive
	PROFESSIONAL PLACEMENT GROUP	EDR Digital Archive
	INNOVATION CAPITAL HOLDING LLC	EDR Digital Archive
	PACIFICCAL LAND LLC	EDR Digital Archive
	MONTEREY ROAD INVESTORS LLC	EDR Digital Archive
	LIVINGSTON COMMONS INVESTORS L	EDR Digital Archive
	ADISHIAN CAPITAL CORP	EDR Digital Archive
	CENTRAL NEWARK INVESTORS LLC	EDR Digital Archive
	BARBER LANE INVESTORS LLC	EDR Digital Archive
	PCCP NNN NORTHSTAR HOLDINGS LL	EDR Digital Archive
	TNT LEASING INC	EDR Digital Archive
	PCCP/FPA LA CASCADA TIC LLC	EDR Digital Archive
	PACIFIC RET CPITL PARTNERS LLC	EDR Digital Archive
	PCCP SG KEARNY OTAY BIP I LLC	EDR Digital Archive
	KANE CONSULTING	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	CGKL KAMILOS DEVELOPMENT INC	EDR Digital Archive
	INTERDENT INC	EDR Digital Archive
	INTERDENT SERVICE CORPORATION	EDR Digital Archive
	LUMINA HEALTHCARE LLC	EDR Digital Archive
	AVIATION LITTLE LEAGUE INGLEWD	EDR Digital Archive
	BREAST AWRNSS BNFTS EVRYONE IN	EDR Digital Archive
	DENNIS R HARDIN DDS INC	EDR Digital Archive
	DANIEL B MENDOZA DDS INC	EDR Digital Archive
	SERRA PARK DENTAL SERVICES INC	EDR Digital Archive
	GENTLE DENTAL SERVICE CORP	EDR Digital Archive
	CARDINAL INDUS SIGNS GRAPHICS	EDR Digital Archive
	RAPP COLLINS WORLDWIDE INC	EDR Digital Archive
	WESTFORM INDUSTRIES	EDR Digital Archive
	MOY SKINCARE	EDR Digital Archive
	AQUA TAN INC	EDR Digital Archive
	SPECTAK LLC	EDR Digital Archive
	CONTINENTAL GRAPHICS CORP	EDR Digital Archive
	ORACLE AMERICA INC	EDR Digital Archive
	NEWDATA SOLUTIONS INC	EDR Digital Archive
	NETAPP INC	EDR Digital Archive
	GOVERNMENTJOBSCOM INC	EDR Digital Archive
	DEPENDABLE SOLUTIONS INC	EDR Digital Archive
	LEADS360 LLC	EDR Digital Archive
	INTEGIC	EDR Digital Archive
	FUNMOBILITY	EDR Digital Archive
	TREASRY EMPLYS UNN IND CHP 198	EDR Digital Archive
	OFFSITE IT LLC	EDR Digital Archive
	MARCAS USA LLC	EDR Digital Archive
	430 SIERRA INC	EDR Digital Archive
	GERARD B DUNCAN	EDR Digital Archive
	DETROIT JOB INC	EDR Digital Archive
	NAHAGO INC	EDR Digital Archive
	EDWARDS DENTAL CORPORATION	EDR Digital Archive
	COX PROFESSIONAL DENTAL CORP	EDR Digital Archive
	ANAHEIM GW 2 LLC A DELAWARE L	EDR Digital Archive
	TT GLENDALE LLC	EDR Digital Archive
	M/UX INC	EDR Digital Archive
	TSR INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	HERMOSA LOFTS LLC	EDR Digital Archive
	770 SEPULVEDA LLC	EDR Digital Archive
	ARAM BEDIKIAN DC INC	EDR Digital Archive
	PHILLIPS ARAMBULA	EDR Digital Archive
	SERCO	EDR Digital Archive
	S3-INNOVATIONS INC	EDR Digital Archive
	DHS OIG	EDR Digital Archive
	CALLS DIRECT	EDR Digital Archive
	LIBERTY TECHNOLOGIES	EDR Digital Archive
	DESERTSTAR AIRWAYS LLC	EDR Digital Archive
	CARPARTSCOM & AUTONET INTL	EDR Digital Archive
	JOHN M MAGUIRE	EDR Digital Archive
	JOSEPH M CHECCHIO	EDR Digital Archive
	FREDERICK L JOHNSTON	EDR Digital Archive
	TIABFES INC	EDR Digital Archive
	ANAGENESIS INC	EDR Digital Archive
	PCCP CENTRAL VALLEY LAND FUND	EDR Digital Archive
	ROSEVLL/FDDYMENT LAND VNTR LLC	EDR Digital Archive
	ORCHARD DRIVE INVESTORS LLC	EDR Digital Archive
	BGPC LAS PALMAS LLC	EDR Digital Archive
	GIDEON PARTNERS LLC	EDR Digital Archive
	CAAMCO	EDR Digital Archive
	WPV SAN JOSE LLC	EDR Digital Archive
	AFFORDABLE DENTAL MEDFORD	EDR Digital Archive
	PCCP JSP FAIRWAY LLC	EDR Digital Archive
	GENDAI INC	EDR Digital Archive
	CITYSCAPE CAPITOL GROUP	EDR Digital Archive
	TOKYO TATEMONO U S A INC	EDR Digital Archive
	SHILOH REAL ESTATE & INV	EDR Digital Archive
	ESCONDIDO MV/MB LLC	EDR Digital Archive
	OHASHI & PRIVER	EDR Digital Archive
	FIRST MANHATTAN GROUP INC	EDR Digital Archive
	PCCP UNIVERSITY PLAZA LLC	EDR Digital Archive
	PCCP STERLING CENTER LLC	EDR Digital Archive
	BRIDGEWAY TOWERS NORTH LLC	EDR Digital Archive
	REO PROPERTY SVCS	EDR Digital Archive
	ESQUIRE EXECUTIVE SUITES INC	EDR Digital Archive
	RESIDENTIAL RESOURCES INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	LINCOLN NATIONAL LIFE INSUR CO	EDR Digital Archive
	GOVJOBSCOM	EDR Digital Archive
	AEON CORPORATION	EDR Digital Archive
	JOHNSTON AUTO GLASS	EDR Digital Archive
	YELLOW BRICK ROAD	EDR Digital Archive
	MED-LEGAL HEALTHCARE CONS INC	EDR Digital Archive
	LUMINA DENTAL HEALTH LLC	EDR Digital Archive
	FEI WOMEN HEALTH LLC	EDR Digital Archive
	GVAC-PCCP HIGHLINE LLC	EDR Digital Archive
	MAXON SYSTEMS	EDR Digital Archive
	SHINING STARS PEDIATRIC	EDR Digital Archive
	CHAPMAN CAPITAL LLC	EDR Digital Archive
	WILLIAMSON FINANCIAL INC	EDR Digital Archive
	WEBER FINANCIAL SERVICES	EDR Digital Archive
	AVERY GROUP INC	EDR Digital Archive
	INTERNAL REVENUE SERVICE	EDR Digital Archive
	PCCP LLC	EDR Digital Archive
	ON LINE FUNDING	EDR Digital Archive
	INFINITI INVESTMENT & LOAN INC	EDR Digital Archive
	FM SUPPLIES INC	EDR Digital Archive
	ITOCHU AVIATION INC	EDR Digital Archive
	PRICESPECTIVE LLC	EDR Digital Archive
	CENTER FOR EGG OPTIONS LLC	EDR Digital Archive
	TRI-UNION FROZEN FOODS LLC	EDR Digital Archive
	FIO BARON COLLECTION	EDR Digital Archive
	MEDASSETS INC	EDR Digital Archive
	MC PHERSON DEBORAH	EDR Digital Archive
	ACH HOMES INC	EDR Digital Archive
	INFINITI CONSTRUCTION & DEVELO	EDR Digital Archive
	9DOTS MEDIA INC	EDR Digital Archive
	GAMEHI INC	EDR Digital Archive
	ASSOCTD FINANCIAL GROUP INC	EDR Digital Archive
	ASSOCIATED FINANCIAL GROUP INC	EDR Digital Archive
	ITE	EDR Digital Archive
	UNITED STATES GOVERNMENT	EDR Digital Archive
	2350 MISSION INVESTORS LLC	EDR Digital Archive

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1930 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1938 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1955 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1970 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1970 E Grand Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1985 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1990 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
200 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2075 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
2089 E GRAND AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
222 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
303 CONTINENTAL BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
307 CONTINENTAL BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
333 CONTINENTAL BLVD	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
355 CONTINENTAL BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1960 E Grand Avenue	2006, 2004, 2003, 1999, 1996, 1992, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Appendix G

Portions of Previous Reports

Phase I Environmental Site Assessment

Grand Avenue Courtyard

1960 East Grand Avenue
El Segundo, California

EBI Project No. 1117000509

February 13, 2017

Prepared for:

BSREP II Office Holdings II LLC
750 North Street, Suite 710
Washington, District of Columbia 20012

Prepared by:

EBI Consulting
environmental | engineering | due diligence

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www.ebiconsulting.com

February 13, 2017

Mr. Robert Swennes
BSREP II Office Holdings II LLC
750 North Street, Suite 710
Washington, District of Columbia 20012

Subject: Phase I Environmental Site Assessment
Grand Avenue Courtyard
1960 East Grand Avenue, El Segundo, California
EBI Project No. 1117000509

Dear Mr. Swennes :

Attached please find our *Phase I Environmental Site Assessment* (the report) for the above-mentioned asset (the Subject Property). During the survey and research, our surveyor met with agents representing the Subject Property, or agents of the owner, and reviewed the Subject Property and its history. The report was completed according to the terms and conditions authorized by you. This report has been completed in general conformance with the ASTM Standard E 1527-13.

The purpose of this report is to acquire environmental information, observe the general condition and maintenance status of the Subject Property, to suggest remediation and/or maintenance practices considered customary for the Subject Property to continue in its current operation, compared to properties of similar age and condition, and to identify recognized environmental conditions in connection with the Subject Property described in this report.

Reliance on the report and the information contained herein shall mean (i) the report may be relied upon by a lender to be selected by *BSREP II Office Holdings II LLC*, in determining whether to make a loan evidenced by a note secured by the Subject Property ("the Mortgage Loan"); (ii) the report may be relied upon by any purchaser in determining whether to purchase the Mortgage Loan (but not the Subject Property) from that lender, or an interest in the Mortgage Loan or securities backed or secured by the Mortgage Loan, and any rating agency rating securities representing an interest in the Mortgage Loan or backed or secured by the Mortgage Loan; (iii) the report may be referred to in and included, in whole or in part, with materials offering for sale the Mortgage Loan or an interest in the Mortgage Loan or securities backed or secured by the Mortgage Loan; (iv) the report speaks only as of its date in the absence of a specific written update of the report signed and delivered by EBI Consulting.

There are no intended or unintended third party beneficiaries to this report, except as expressly stated herein.

EBI is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the report or on the closing of any business transaction.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Thank you very much for the opportunity to provide environmental consulting services to *BSREP II Office Holdings II LLC* . Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,
EBI CONSULTING

Debra Bechtold
Author / Senior Scientist

Hallie Vitolo
Reviewer / Senior Program Director
hvitolo@ebiconsulting.com
603.818.2750

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EXECUTIVE SUMMARY

At the request of BSREP II Office Holdings II LLC, EBI has performed a Phase I Environmental Site Assessment (ESA) of the property located at 1960 East Grand Avenue in El Segundo, California, herein referred to as the Subject Property. The main objective of this ESA was to identify *recognized environmental conditions* in connection with the Subject Property, defined in ASTM Practice E 1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment, or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of ASTM Practice E 1527-13.

The Subject Property includes two contiguous rectangular parcels, cumulatively totaling approximately 5.37 acres. The Subject Property is currently improved with a 12-story, multi-tenant office building, with a gross area of approximately 254,937± square feet and a nine-story parking garage with two sub-levels. There is no basement present beneath the office structure. The existing improvements were constructed in 1987. There are currently no manufacturing or industrial operations conducted at the Subject Property.

Below is the Assessment Summary Table presenting our recommended actions for the Subject Property. EBI's Findings and Opinions are presented in Section 8.0, and recommendations for further action or investigation are presented in Section 9.0.

ASSESSMENT SUMMARY TABLE
GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE, EL SEGUNDO, CALIFORNIA

ASSESSMENT COMPONENT	SECTION	NO FURTHER ACTION	REC	HREC	CREC	OTHER	RECOMMENDED ACTION	ESTIMATED COST
Current Occupants/ Operations	**2.3, 5.0**	☒	☐	☐	☐	☐	No Further Action	
Historical Review	**4.3**	☒	☐	☐	☐	☐	No Further Action	
Regulatory Review	**4.1**	☒	☐	☐	☐	☐	No Further Action	
Potential Off-site Sources	**2.5, 4.1**	☒	☐	☐	☐	☐	No Further Action	
Hazardous Substances/ Petroleum Products	**5.2**	☒	☐	☐	☐	☐	No Further Action	
Other Suspect Containers	**5.2**	☒	☐	☐	☐	☐	No Further Action	
Waste Generation	**5.3**	☒	☐	☐	☐	☐	No Further Action	
USTs	**5.4**	☒	☐	☐	☐	☐	No Further Action	
ASTs	**5.4**	☒	☐	☐	☐	☐	No Further Action	
PCBs	**5.6**	☒	☐	☐	☐	☐	No Further Action	
Additional Site Conditions	**5.6**	☒	☐	☐	☐	☐	No Further Action	

Asbestos Containing Materials	**7.1**	☒	☐	☐	☐	☐	No Further Action	
Radon	**7.2**	☒	☐	☐	☐	☐	No Further Action	
Lead-based Paint	**7.3**	☒	☐	☐	☐	☐	No Further Action	
Lead in Drinking Water	**7.4**	☒	☐	☐	☐	☐	No Further Action	
Vapor Migration	**4.1.4**	☒	☐	☐	☐	☐	No Further Action	

1.0 INTRODUCTION

This report documents the findings, opinions, and conclusions of a Phase I Environmental Site Assessment (ESA) of the property located at 1960 East Grand Avenue in El Segundo, California.

1.1 PURPOSE

The purpose of this ESA was to identify *recognized environmental conditions* and certain environmental conditions outside the scope of ASTM Practice E 1527-13 in connection with the property at the time of the property reconnaissance.

1.2 SCOPE-OF-SERVICES

This ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1527-13. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1527-13 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils and hydrologic data.
- Subject Property history through a review of referenced sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Current Subject Property conditions, including observations and interviews regarding the following: the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or biomedical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground and underground).
- Usage of surrounding area properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Subject Property.
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances.
- Past ownership through a review of available prior reports and local municipal file review.

The scope-of-work also included consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E 1527-13: asbestos-containing materials (ACM), lead-based paint (LBP), lead in drinking water and radon.

1.3 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

This Phase I Environmental Site Assessment (the report) has been prepared for the use of BSREP II Office Holdings II LLC , in accordance with our Standard Conditions for Engagement and Authorization Letter and Agreement for Environmental Services approved and signed by BSREP II Office Holdings II LLC (the Agreement), and with the limitations described below, all of which are integral parts of this report. A copy of the signed Standard Conditions For Engagement and Authorization Letter and Agreement for Environmental Services is maintained at the EBI Consulting office in Burlington, Massachusetts. To the extent any provisions of this report conflict with the terms of the Agreement, the Agreement will control.

EBI has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of *ASTM Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This report was prepared with no exceptions or deletions from ASTM Standard E 1527-13.

This Phase I Environmental Site Assessment has been prepared to assess a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is intended to permit BSREP II Office Holdings II LLC to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Subject Property consistent with good commercial or customary practice" as defined in 42 U.S.C. § 9601(35)(B).

In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify *recognized environmental conditions*. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to a release to the environment, (2) under conditions that indicate an existing release or a past release, or (3) under conditions that pose a material threat of a future release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term does not include *de minimis conditions* that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The information reported was obtained through sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with the authorities having jurisdiction over the Subject Property. Findings, conclusions, and recommendations included in the report are based on our visual observations in the field, the standard environmental record sources and municipal information reasonably obtained, information provided by the Client, and/or a review of readily available and supplied documents and drawings. EBI relies completely on the information, whether written, graphic, or verbal, provided by the Subject Property contact or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct unless the information is known to be inaccurate or if it is obvious, based on other information obtained as part of the assessment, that the information is not accurate. Although there may have been some degree of overlap in the information provided by these various sources, EBI did not attempt to verify independently the accuracy or completeness of all information reviewed or received during the course of these environmental services.

The information reported, as well as EBI's findings, conclusions, and recommendations are based upon sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record

sources and interviews with authorities having jurisdiction over the Subject Property. BSREP II Office Holdings II LLC agrees that EBI has no obligation to verify independently the accuracy or completeness of the information reviewed or received during the course of these environmental services.

EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under un-surveyed and/or inaccessible portions of the Subject Property. Unsurveyed and inaccessible portions of the Subject Property are described below. In addition, EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under the Subject Property where direct observation of the interior walls, floor, or ceiling of a structure was obstructed by objects or coverings on or over these surfaces.

EBI Services and opinions are based on the scientific or technical tests or procedures specifically set forth in the scope of the Services described in this report. The ASTM Standard E 1527-13 does not encompass analytical testing to evaluate asbestos containing materials, radon, lead-based paint, drinking water quality, indoor air quality, stored chemicals, debris, fill materials, surface water, or subsurface samples (soil and groundwater) as part of a Phase I ESA. Because geologic and soil formations are inherently random, variable, and indeterminate in nature, the Services and opinions provided under this Agreement are not guaranteed to be a representation of actual conditions on the Subject Property, which are also subject to change with time as a result of natural or man-made processes, including water permeation. In performing the Services, EBI used that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality at the same time and under similar circumstances. No other representation, expressed or implied, and no warranty or guarantee is included or intended. The report speaks only as of its date, in the absence of a specific written update of the report, signed and delivered by EBI. Additional information that becomes available after our survey and draft submission concerning the Subject Property should be provided to EBI so that our conclusions may be revised and modified if necessary, at additional cost.

Client and EBI agree that to the fullest extent permitted by law, EBI shall not be liable to Client for any special, indirect, consequential, punitive, exemplary, incidental or indirect damages or losses whatsoever, whether caused by EBI's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

The assessment was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession, and in accordance with generally accepted practices of other consultants currently practicing in the same locality under similar conditions.

1.4 SPECIAL TERMS AND CONDITIONS

This Phase I Environmental Site Assessment (the report) has been prepared to assist a lender to be selected by BSREP II Office Holdings II LLC in determining whether to make a loan evidenced by a note secured by the Subject Property. Reliance upon this report does not extend to entities or individuals interested in purchasing the Subject Property. Amendments to EBI's limitations as stated herein that may occur after issuance of the report are considered to be included in this report. EBI's liability to a purchaser wishing to use this report is limited to the cost of the report. Payment for the report is made by, and EBI's contract and report extends to BSREP II Office Holdings II LLC only, in accordance with our Standard Conditions For Engagement and, Authorization Letter and Agreement for Environmental Services.

1.5 DATA GAPS

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the Subject Property and do not alter the conclusions of this report.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 OWNERSHIP AND LOCATION

According to the Los Angeles County Assessor's Office and Mr. Don McCurry, Chief Engineer, the Subject Property is currently owned by Realty Associates IX LP.

The Subject Property is located at 1960 East Grand Avenue in El Segundo, Los Angeles County, California. The Subject Property includes two contiguous rectangular parcels, identified by the Los Angeles County Assessor's Office as Map 4138, Parcel 7, Lot 65, and Map 4138, Parcel 7, Lot 66, cumulatively totaling approximately 5.37 acres. The Subject Property is located approximately 540 feet east of the intersection of East Grand Avenue and Sepulveda Boulevard. Figure 1 - Location Map depicts the location of the Subject Property on a street map of El Segundo, California. Figure 2 - Locus Map depicts the location of the Subject Property on the *Venice, California* United States Geological Survey (USGS) 7.5 Minute Topographic Quadrangle. Figure 3 - Site Plan depicts the configuration of the Subject Property and adjoining properties.

2.2 SUBJECT PROPERTY IMPROVEMENTS

The Subject Property is currently improved with a 12-story, multi-tenant office building, with a gross area of approximately 254,937± square feet and a nine-story parking garage with two sub-levels. There is no basement present beneath the office structure. The existing improvements were constructed in 1987.

The existing office building is located on the eastern portion of the property. Areas of the Subject Property surrounding the existing building include the following: one 11-story parking garage with two subterranean levels, located on the southwestern portion of the Subject Property; asphalt-paved surface parking, located along the north, east, and west sides of the building; concrete walkways, located throughout the Subject Property; and, landscaping surrounding the building. Land and building areas are as follows:

SUBJECT PROPERTY IMPROVEMENTS					
Address	**Floors**	**Basement**	**Area (SF)**	**DOC**	**Lot Size (Acres)**
1960 East Grand Avenue, Office Tower	12	No	254,937	1987	5.37
1940 East Grand Avenue, Parking Garage	11	Yes	246,126	1987	Inclusive

SF: Gross Square Feet
DOC: Date of Construction

2.3 CURRENT USE OF THE SUBJECT PROPERTY

At the time of assessment, the Subject Property was occupied by 63 office tenants. Six vacant tenant spaces were identified at the time of assessment. There are currently no manufacturing or industrial operations conducted at the Subject Property. EBI was not provided with a copy of the most recent tenant list.

Please refer to Section 5.2 for further discussion regarding hazardous substances and petroleum products at the Subject Property.

2.4 MUNICIPAL SERVICES & UTILITIES

The Subject Property is serviced by the following municipal services and utilities:

MUNICIPAL SERVICES AND UTILITIES	
Utility	**Provider/Source**
Potable Water Supply	City of El Segundo
Sewage Disposal System	City of El Segundo
Electrical Service	Edison
Natural Gas Service	Southern California Gas
Oil Service	None
Heating/Cooling Systems	Natural gas water heaters located in the rooftop mechanical penthouse deliver heated water to VAV boxes above the tenant ceiling spaces and an electric cooling tower supplies cooled air VAV boxes above the tenant ceiling spaces
Emergency Power	One diesel-fired emergency generator with a self-contained fuel tank

2.5 ADJOINING PROPERTIES

Property use in the vicinity of the Subject Property is primarily characterized by retail/commercial development.

ADJOINING PROPERTIES	
North	The Subject Property is bound to the north by East Grand Avenue, beyond which is Mattel (1955 East Grand Avenue) and a multi-tenant office complex (300 North Sepulveda Boulevard).
South	The Subject Property is bound to the south by a commercial development under construction (101 Continental Boulevard).
East	The Subject Property is bound to the east by multi-tenant commercial structures (1990 East Grand Avenue and 201 Continental Boulevard).
West	The Subject Property is bound to the west by a parking garage (222 North Sepulveda Boulevard).

No visual evidence of adverse environmental conditions was observed during the survey of the adjoining properties. The adjacent property to the northeast, 1955 East Grand Avenue, is identified as a RCRA generator of hazardous waste, a Historic CORTESE site, a LUST site, and a UST site. The adjacent property to the east, 1990 East Grand Avenue, is identified as a Historic CORTESE site, a LUST site, and a UST site. These sites are further discussed in Section 4.1.1 and 4.1.2.

3.0 USER PROVIDED INFORMATION

The following section summarizes information provided by BSREP II Office Holdings II LLC with regard to this Phase I Environmental Site Assessment. Additionally, a User Questionnaire was forwarded to the designated Client contact. The User Questionnaire has not been completed and returned to our offices. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. Relevant documentation referenced below is presented in Appendix C.

3.1 TITLE RECORDS

Title record information associated with the Subject Property has not been provided to EBI by BSREP II Office Holdings II LLC . A detailed discussion regarding review of information obtained from other sources is presented in Section 4.3.5 of this report.

3.2 ENVIRONMENTAL LIENS AND ACTIVITY AND USE LIMITATIONS

BSREP II Office Holdings II LLC has provided no information regarding environmental liens or activity and use limitations in connection with the Subject Property. A discussion regarding environmental liens is presented in Section 4.3.7 of this report. A detailed discussion regarding activity and use limitations is presented in Sections 4.1.1 and 4.1.2 of this report.

3.3 SPECIALIZED KNOWLEDGE

BSREP II Office Holdings II LLC provided no specialized knowledge that is material to recognized environmental conditions in connection with the Subject Property. EBI was not provided with or made aware of previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the Subject Property, except as presented in Section 4.3.8 of this report.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

BSREP II Office Holdings II LLC has provided no commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

BSREP II Office Holdings II LLC has provided no information regarding valuation reduction for environmental issues in connection with the Subject Property.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

BSREP II Office Holdings II LLC provided contact information for the Subject Property owner, manager and/or occupants.

3.7 REASON FOR PERFORMING PHASE I ESA

BSREP II Office Holdings II LLC retained EBI to complete this Phase I Environmental Site Assessment in connection with a real estate transaction.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORDS

A review of standard environmental databases maintained by Federal, state, and tribal offices was completed through Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. The databases were searched for properties with reported environmental conditions located within approximate minimum search distances as specified by ASTM Standard E 1527-13, by using geocoding information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded "orphan" properties within the same zip code. The database report is presented in Appendix E.

The database report identified five "orphan sites". Orphan sites are those sites that could not be accurately mapped or geocoded due to inadequate location information. EBI attempted to locate these sites via vehicular reconnaissance and interviews with personnel familiar with the area. Based on this research, EBI did not identify listed orphan sites within the approximate minimum search distances that may be considered likely to have impacted conditions at the Subject Property.

It should be noted that plotted locations of listed sites are not always accurate. With regard to listings that are determined or suspected to be inaccurate, based on information from other sources such as direct observation or consultation with individuals familiar with the property, EBI uses the best available data when evaluating the location of listed sites discussed below.

The following table provides a summary of the findings of the environmental database report. Specific properties identified within the database report are further discussed below.

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS			
Regulatory Database	**Approximate Minimum Search Distance**	**Subject Property Listed**	**Off-site Listings Within Search Distance**
Federal NPL Sites	1.0 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
Federal SEMS Sites	0.5 mile	No	0
Federal SEMS ARCHIVE Sites	0.5 mile	No	**6**
Federal RCRA CORRACTS Sites	1.0 mile	No	**5**
Federal RCRA non-CORRACTS TSD Sites	0.5 mile	No	**4**
Federal RCRA Generators Sites	Property & Adjoining	**Yes**	**1**
Federal Engineering / Institutional Control Sites	0.5 mile	No	0
Federal ERNS Sites	Property	No	NA
Federal FINDS Sites	Property	**Yes**	NA
Federal ECHO Sites	Property	**Yes**	NA
CA Annual Workplan Sites (AWP)	1.0 mile	No	0
CA High-Priority Confirmed Release Sites (RESPONSE)	1.0 mile	No	0
CA Hazardous Waste Sites (ENVIROSTOR)	1.0 mile	No	**23**
CA Cal-Sites/HIST Cal-Sites	1.0 mile	No	0
CA Proposition 65 Notification Records (Notify 65)	1.0 mile	No	0
CA Toxic Pits Cleanup Act Sites (Toxic Pits)	1.0 mile	No	0
CA Bond Expenditure Plan	1.0 mile	No	**1**
CA Hazardous Waste and Substances Sites List (Cortese/HIST Cortese)	0.5 mile	No	**13**

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS			
Regulatory Database	**Approximate Minimum Search Distance**	**Subject Property Listed**	**Off-site Listings Within Search Distance**
CA Spill, Leaks, Investigations, and Cleanup (SLIC)	0.5 mile	No	**3**
CA Voluntary Cleanup Program (VCP) Properties	0.5 mile	No	**2**
CA Leaking Underground and Aboveground Storage Tanks (LUST/LAST)	0.5 mile	No	**16**
CA Storage Tank Databases (AST. UST, FID UST, HIST UST, SWEEPS UST)	Property & Adjoining	No	**3**
CA Solid Waste Information System (SWIS and SWF/LF)	0.5 mile	No	0
CA Waste Management Unit Database / Solid Waste Assessment Test (WMUDS/SWAT)	0.5 mile	No	0
CA Hazardous Material Incident Report System (CHMIRS)	Property	No	NA
CA Hazardous Waste Information System (HAZNET)	Property	**Yes**	NA
CA Engineering Control / Institutional Control Registries	0.5 mile	No	0
CA Brownfields	0.5 mile	No	0
Tribal Environmental Databases	1.0 mile	No	0

4.1.1 Federal Agency Database Records

National Priority List (NPL)
The NPL database, also known as the Superfund List, is a subset of CERCLIS and identifies sites that are ranked as high priority for remedial action under the Federal Superfund Act. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the NPL.

Delisted National Priority List (NPL)
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the Delisted NPL database.

Superfund Enterprise Management System (SEMS)
SEMS tracks federal hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of the USEPA's Superfund Program. The list was formerly known as CERCLIS and was renamed at the end of 2015. The list contains data regarding potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). SEMS also contains sites that are either proposed to or on the National Priority List (NPL), as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the SEMS database.

SEMS – ARCHIVE
SEMS-ARCHIVE tracks sites that have been removed from the SEMS list. This list was formerly known as the CERCLIS- NFRAP list and was renamed SEMS-Archive at the end of 2015. SEMS-ARCHIVE sites may be sites where, following an initial investigation, no contamination was found, contamination was

removed without the need for the site to be placed on the NPL, or the contamination was not considered sufficient to warrant Federal Superfund action or NPL consideration. The Subject Property was not identified on the SEMS-ARCHIVE database. However, six sites located within 0.5 mile of the Subject Property were identified on the SEMS-ARCHIVE database. Information regarding the listed sites is presented in the following table:

SEMS-ARCHIVE			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E. El Segundo Blvd. El Segundo, CA 90245	1,380 feet / Southeast / Crossgradient	CAD000633230	Discovery: 05/21/1991 Preliminary Assessment: 09/12/1991 Status: SEMS-ARCHIVE
Allied Sales & Salvage 160 S. Sepulveda Blvd. El Segundo, CA 90245	1,875 feet / South-southwest / Crossgradient	CAD063821789	Discovery: 05/01/1986 Preliminary Assessment: 01/01/1987 Status: SEMS-ARCHIVE
International Rectifier 233 Kansas Street El Segundo, CA 90245	2,242 feet / West-northwest / Crossgradient	CAD076208313	Discovery: 08/23/1995 Preliminary Assessment: 09/24/1996 Status: SEMS-ARCHIVE
Northrop Corp Aircraft Div. 2043 E. Mariposa Avenue El Segundo, CA 90245	1,996 feet / Northeast / Crossgradient	CAD000627216	Discovery: 05/08/1990 Preliminary Assessment: 06/06/1990 Status: SEMS-ARCHIVE
Devlin Pharmaceuticals Inc. 700 N. Sepulveda Blvd. El Segundo, CA 90245	2,254 feet / North-northwest / Crossgradient	CAD981373848	Discovery: 02/01/1986 Preliminary Assessment: 05/01/1986 Status: SEMS-ARCHIVE
Hughes Aircraft Co. Radar System 2060 E. Imperial Hwy. El Segundo, CA 90245	2,578 feet / North-northeast / Crossgradient	CAT080010853	Discovery: Not reported Preliminary Assessment: Not reported Status: SEMS-ARCHIVE

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified SEMS-ARCHIVE facilities represent an environmental concern to the Subject Property.

Resource Conservation and Recovery Act (RCRA) – Corrective Action Tracking System (CORRACTS)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information regarding sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The RCRA-CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA. The Subject Property was not identified on the RCRA CORRACTS database. However, five sites located within 1.0 mile of the Subject Property were identified on the RCRA CORRACTS database. Information regarding the listed sites is presented in the following table:

RCRA-CORRACTS			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E. El Segundo Blvd. El Segundo, CA 90245	1,380 feet / Southeast / Crossgradient	CAD000633230	(21) Violations: 09/06/1989 – 06/22/2006 Dates of Compliance: 11/18/1991 – 07/21/2006
Northrop Corp Aircraft Div. 2043 E. Mariposa Avenue El Segundo, CA 90245	1,996 feet / Northeast / Crossgradient	CAD000627216	(2) Violations: 05/18/1989 Dates of Compliance: 08/17/1989
The Boeing Company 1920 E. Imperial Hwy. El Segundo, CA	4,031 feet / North / Crossgradient	CAD060897063	(13) Violations: 02/08/1988 – 08/20/2013 Dates of Compliance: 05/13/1988 – 09/20/2013
Rockwell International 815 Lapham St. El Segundo, CA 90245	4,222 feet / Northeast / Crossgradient	CAD097855126	(1) Violation: 11/28/1990 Date of Compliance: 12/04/1992
Northrop Grumman El Segundo 1 Hornet Way El Segundo, CA 90245	4,650 feet / East-northeast / Crossgradient	CAD000627273	(11) Violations: 02/11/1988 – 05/08/1992 Dates of Compliance: 02/11/1988 – 05/29/1992

* Presumed hydrogeologic gradient based upon regional topography

Based upon the absence of open violations, distance, and expected hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified RCRA-CORRACTS facilities represent an environmental concern to the Subject Property.

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) facilities are required to register hazardous waste activity under the Resource Conservation and Recovery Act (RCRA). The Subject Property was not identified on the RCRA non-CORRACTS TSD database. However, four sites located within 0.5 mile of the Subject Property were identified on the RCRA non-CORRACTS TSD database. Information regarding the listed sites is presented in the following table:

RCRA NON-CORRACTS TSD			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E. El Segundo Blvd. El Segundo, CA 90245	1,380 feet / Southeast / Crossgradient	CAD000633230	(21) Violations: 09/06/1989 – 06/22/2006 Dates of Compliance: 11/18/1991 – 07/21/2006
Northrop Corp. Aircraft Div. 2031 E. Mariposa Ave. El Segundo, CA 90245	1,769 feet / North-northeast / Crossgradient	CAD009687336	(2) Violations: 06/26/1987 – 01/31/1097 Dates of Compliance: 09/15/1988 - 08/03/1987
Northrop Corp. Aircraft Div. 2043 E. Mariposa Avenue El Segundo, CA 90245	1,996 feet / Northeast / Crossgradient	CAD000627216	(2) Violations: 05/18/1989 Date of Compliance: 08/17/1989
Hughes Aircraft Co. Radar System 2060 E. Imperial Hwy. El Segundo, CA 90245	2,578 feet / North-northeast/ Crossgradient	CAT080010853	(8) Violations: 06/28/2006 – 05/09/1984 Dates of Compliance: 07/21/2006 - 01/01/1985

* Presumed hydrogeologic gradient based upon regional topography

Based upon the absence of open violations, distance and expected hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified RCRA NON-CORRACTS TSD facilities represent an environmental concern to the Subject Property.

RCRA Hazardous Waste Generators

Hazardous waste generators tracked under the Resource Conservation and Recovery Act (RCRA) are classified as either Large Quantity Generators (LQGs), Small Quantity Generators (SQGs), or Conditionally Exempt Small Quantity Generators (CESQG). A RCRA-LQG is defined as a facility that generates over 1,000 kilograms (Kg) of hazardous waste, or over 1 Kg of acutely hazardous waste per month. A RCRA-SQG is defined as a facility that generates between 100 Kg and 1,000 Kg of hazardous waste per month. A RCRA-CESQG is defined as a facility that generates less than 100 Kg of hazardous waste, or less than 1 Kg of acutely hazardous waste per month. The Subject Property and one adjoining property were identified on the RCRA Generator database. Information regarding the listed sites is presented in the following table:

RCRA GENERATORS			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Team One Advertising 1960 East Grand Ave., Suite E El Segundo, CA 90245	Subject Property	CAD982504094	No violations found
Mattel Inc. 1955 E. Grand Ave. El Segundo, CA 90245	Adjacent / North-northeast / Crossgradient	CAD983655804	No violations found

* Presumed hydrogeologic gradient based upon regional topography

One former occupant of the Subject Property, Team One Advertising, was listed as a RCRA-SQG of hazardous waste. According to Mr. Don McCurry, Facility Engineer, Team One Advertising was a marketing firm occupying office space in the building. Based upon information presented in the environmental database report, Team One Advertising formerly generated between 100 Kg and 1,000 Kg of hazardous waste per month, although the nature of the waste is not identified in the environmental database report. No violations were reported for Team One Advertising. Based upon the absence of reported violations associated with this listing, the decommissioning of this facility, and the site conditions observed at the time of EBI's reconnaissance, the former RCRA-SQG database listing for Team One Advertising is not considered to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property.

Based upon the absence of reported violations and the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified adjacent RCRA Generator facility represent an environmental concern to the Subject Property.

Federal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither

the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on Federal Engineering Control or Institutional Control Registries.

Emergency Response Notification System (ERNS)
ERNS is a national database used to collect information regarding reported releases of petroleum products and/or hazardous substances. The database contains information from spill reports submitted to Federal agencies, including the EPA, the U.S. Coast Guard, the National Response Center, and the U.S. Department of Transportation. A review of this database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property. The Subject Property was not identified on the ERNS database.

Facility Index System/Facility Registry System (FINDS)
FINDS is a centrally managed database by the USEPA that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The database provides information regarding environmental activities that may affect air, water, and land in the United States. It is usually a cross-reference to other sources/databases that contain more detail. The Subject Property was identified on the FINDS database. Information regarding the Subject Property is presented in the following table:

FINDS SITES			
Site	**Distance / Direction / Gradient***	**ID No.**	**Environmental Interest / Information System**
Team One Advertising 1960 East Grand Ave., Suite E El Segundo, CA 90245	Subject Property	110002835175	RCRAInfo

* Presumed hydrogeologic gradient based upon regional topography

The Subject Property is listed on the RCRAInfo, a national information system supporting the RCRA program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. The Subject Property does not appear on any FINDS systems that report known or suspected contamination, and no additional action or investigation regarding these listings is recommended.

Enforcement & Compliance History Information (ECHO)
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide. The Subject Property was identified on the ECHO database. Information regarding the Subject Property is presented in the following table:

ECHO SITES			
Site	**Distance / Direction / Gradient***	**ID No.**	**Regulatory Status**
Team One Advertising 1960 East Grand Ave., Suite E El Segundo, CA 90245	Subject Property	110002835175	Current Compliance Status: No violations

* Presumed hydrogeologic gradient based upon regional topography

One former occupant of the Subject Property, Team One Advertising, was identified on the ECHO database. Based upon the absence of reported violations, the decommissioning of this facility, and the conditions observed at the time of EBI reconnaissance, it is considered unlikely that conditions

associated with the Subject Property ECHO listing represent an environmental concern to the Subject Property.

4.1.2 State and Tribal Agency Database Records

Annual Workplan Sites (AWP)
The California Department of Toxic Substance Control (DTSC) Annual Workplan Sites (AWP) identifies known hazardous substance release sites targeted for cleanup. The data source is the California Environmental Protection Agency. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the AWP database.

California High-Priority Confirmed Release Sites (RESPONSE)
The California High-Priority Confirmed Release Sites (RESPONSE) database contains confirmed release sites where the California Department of Toxic Substance Control (DTSC) is involved in the remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the RESPONSE database.

California Hazardous Waste Sites (ENVIROSTOR)
The California Hazardous Waste Sites (ENVIROSTOR) database contains potential or confirmed hazardous substance release sites, or sites for which there may be reasons to investigate further, identified by the California DTSC. The database includes the following site types: Federal NPL; State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. The Subject Property was not identified on the ENVIROSTOR database. However, 23 sites located within 1.0 mile of the Subject Property were identified on the ENVIROSTOR database. Of the listed sites, 22 sites are located greater than 0.25 mile from the Subject Property. Based upon the distance and/or hydrogeologic separation from the Subject Property, these 22 sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. Information regarding the SHWS site located within 0.25 mile of the Subject Property is presented in the following table:

ENVIROSTOR			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Raytheon Space and Airborne Systems 2000 E El Segundo Blvd. El Segundo, CA 90245	1,113 feet / South / Crossgradient	80001335	Notification Date: 01/01/2008 Contaminants: 1,1,1-Trichloroethane, TCE Media Impacted: Soil Status: Active Date of Closure: NA

* Presumed hydrogeologic gradient based upon regional topography

Based upon the separating distance and presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified ENVIROSTOR Sites represent an environmental concern to the Subject Property.

Cal-Sites/HIST Cal-Sites
Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control (DTSC). This database is no longer updated by the state agency. It has been replaced by ENVIROSTOR. Neither the Subject

Property nor any sites located within 1.0 mile of the Subject Property were identified on the Cal-Sites/HIST Cal-Sites databases.

Proposition 65 Notification Records (Notify 65)
Proposition 65 Notification Records contain facility notifications regarding any release that could potentially impact drinking water and thereby expose the public to a potential health risk. The Notify 65 database includes listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the Notify 65 database.

Toxic Pits Cleanup Act Sites (Toxic Pits)
The Toxic Pits Cleanup Act Sites (Toxic Pits) database contains sites identified by the California Water Resources Control Board that are suspected to contain hazardous substances where cleanup has not yet been completed. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the Toxic Pits database.

California Bond Expenditure Plan
The California Bond Expenditure Plan was developed by the California Department of Health Services as a site-specific expenditure plan for the appropriation of Hazardous Substance Cleanup Bond Act funds. The Subject Property was not identified on the California Bond Expenditure Plan database. However, one site located within 1.0 mile of the Subject Property was identified on the California Bond Expenditure Plan database. Information regarding the listed site is presented in the following table:

CALIFORNIA BOND EXPENDITURE PLAN			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Fort McArthur 200 North Douglas Street, Bldg. 212 San Pedro, CA 90245	3,104 feet / East / Upgradient	Not reported	Notification Date: Not reported Contaminants: Not reported Media Impacted: Soil Status: Installation Restoration Program Date of Closure: NA

* Presumed hydrogeologic gradient based upon regional topography

Based upon the separating distance and reported impact to soil only, it is considered unlikely that conditions associated with the identified Toxic Pits site represent an environmental concern to the Subject Property.

Hazardous Waste and Substances Sites List (Cortese/HIST Cortese)
The Hazardous Waste and Substance Site List (also known as the Cortese/HIST Cortese databases) is a planning document used by the State, local agencies, and developers to comply with California Environmental Quality Act requirements in providing information regarding the location of hazardous materials releases. Government Code Section 65962.5 requires the California Environmental Protection Agency to develop at least annually an updated Cortese List. The California DTSC is responsible for preparing a portion of the information that comprises the Cortese List, and other state and local government agencies are required to provide additional hazardous material release information for the Cortese/HIST Cortese databases. The Subject Property was not identified on the Cortese/HIST Cortese databases. However, 13 sites located within 0.5 mile of the Subject Property were identified on the Cortese/HIST Cortese databases. Of the listed sites, nine sites are located greater than 0.25 mile from the Subject Property. Based upon the distance and/or hydrogeologic separation from the Subject Property, these nine sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. The remaining sites located within 0.25 mile of the Subject Property have been granted No Further Action

status by the Los Angeles RWQCB and based upon the current regulatory status; these four sites are considered unlikely to represent an environmental concern to the Subject Property. Information regarding the four sites located within 0.25 mile of the Subject Property is presented in the following table:

CORTESE/HIST CORTESE			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Mattel Inc. 1955 E. Grand Ave. El Segundo, CA 90245	Adjacent / North-northeast / Crossgradient	902450089	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 02/02/1998
Hughes Aircraft Co. CSG 1990 Grand Ave. E El Segundo, CA 90245	Adjacent / East / Upgradient	R-13532	Notification Date: 08/19/1996 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 08/19/1996
Jim & Jack Auto Body 307 Sepulveda Blvd., N. El Segundo, CA 90245	936 feet / West-northwest / Crossgradient	I-13092	Notification Date: 10/02/1989 Contaminants: Waste oil/motor/hydraulic/lubricating Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 10/08/1992
Hughes Aircraft Company 2000 El Segundo Blvd., E. El Segundo, CA 90245	1,113 feet / South / Crossgradient	R-10917X	Notification Date: 01/14/1986 Contaminants: Solvents Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 07/22/1996

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, media impacted, and distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified Cortese/HIST Cortese facilities represent an environmental concern to the Subject Property.

Spill, Leaks, Investigations, and Cleanup (SLIC)

The Spills, Leaks, Investigations, and Cleanups (SLIC) database, maintained by the California Water Resources Control Board, includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites. The Subject Property was not identified on the SLIC database. However, three sites located within 0.5 mile of the Subject Property were identified on the SLIC database. Information regarding the listed sites is presented in the following table:

SLIC			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
West Coast Barrier Proj. 9 E. Segundo Blvd. El Segundo, CA 90245	1,843 feet / Southwest / Crossgradient	SL599992902	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: Completed – Case Closed Date of Closure: 08/30/2002

SLIC			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Int. Rectifier Corp. El Segundo 233 Kansas St. El Segundo, CA 90245	2,242 feet / West / Downgradient	SL184571440	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: Completed – Case Closed Date of Closure: 02/27/1997
International Rectifier Corp. 233 Kansas El Segundo, CA 90245	2,241 feet / West / Downgradient	0608	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: No Further Action Date of Closure: Not reported

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, and the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified SLIC sites represent an environmental concern to the Subject Property.

Voluntary Cleanup Program (VCP) Properties

The Voluntary Cleanup Program (VCP) Properties database identifies low threat level properties with either confirmed or unconfirmed releases, for which the project proponents have requested that Department of Toxic Substances Control (DTSC) oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs. The Subject Property was not identified on the VCP database. However, two sites located within 0.5 mile of the Subject Property were identified on the VCP database. Information regarding the listed sites is presented in the following table:

VCP			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Hilton Garden Inn Mariposa Avenue & Nash Street El Segundo, CA 90245	2,392 feet / Northeast / Crossgradient	19130106	Responsible Party: Hilton Garden Inn Notification Date: Not reported Contaminants: TPH Media Impacted: Soil Status: No Further Action Date of Closure: 09/24/1999
Former Northern American Trisonic Wind Tunnel 400 Duley Road El Segundo, CA 90245	2,610 feet / East-northeast / Crossgradient	60000905	Responsible Party: Northern American Trisonic Wind Tunnel Notification Date: 01/22/2009 Contaminants: Not Reported Media Impacted: Soil Status: No Further Action Date of Closure: 01/07/2014

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, and the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified VCP sites represent an environmental concern to the Subject Property.

Leaking Underground and Aboveground Storage Tank Sites (LUST/LAST)

The Regional Water Quality Control Board (RWQCB) maintains a database of reported Leaking Storage Tank (LUST/LAST) sites. The Subject Property was not identified on the LUST/LAST databases. However, 16 sites located within 0.5 mile of the Subject Property were identified on the LUST/LAST databases. Of the listed sites, 11 sites are located greater than 0.25 mile from the Subject Property. Based upon the distance and/or hydrogeologic separation from the Subject Property, these 11 sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. The remaining five sites located within 0.25 mile of the Subject Property have been granted No Further Action status by the Los Angeles RWQCB and based upon the current regulatory status; these five sites are considered unlikely to represent an environmental concern to the Subject Property. Information regarding the remaining sites located within 0.25 mile of the Subject Property is presented in the following table:

LUST/LAST			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Global Solutions 1955 Grand Ave. El Segundo, CA 90245	Adjacent / North-northeast / Crossgradient	902450089	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Case Closed Date of Closure: 02/02/1998
Mattel Inc. 1955 E. Grand Ave. El Segundo, CA 90245	Adjacent / North-northeast / Crossgradient	T0603701269	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 02/02/1998
Hughes Aircraft Co. CSG 1990 Grand Ave., E. El Segundo, CA 90245	Adjacent / East / Upgradient	T0603705198	Notification Date: 08/19/1996 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 08/19/1996
Jim & Jack Auto Body 307 Sepulveda Blvd., N. El Segundo, CA 90245	938 feet / West-northwest / Crossgradient	T0603704033	Notification Date: 10/02/1989 Contaminants: Waste oil/moto/hydraulic/lubricating Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 10/08/1992
Hughes Aircraft Company 2000 El Segundo Blvd., E. El Segundo, CA 90245	1,113 feet / South / Crossgradient	T0603792958	Notification Date: 01/14/1986 Contaminants: Solvents Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 07/22/1996

* Presumed hydrogeologic gradient based upon regional topography

The adjacent properties to the northeast and east were identified as LUST sites. EBI reviewed a Conceptual Site Model (CSM) Report for the release reported at Hughes Aircraft, 1990 East Grand Avenue dated August 19, 1996. Contaminants of concern were not identified, but were associated with the historic use of the site for aviation-related activities. The last regulatory activity at the site was reportedly conducted in January 1, 1950. No cleanup actions were reported at the site. The case was closed on August 19, 1996. EBI reviewed a CSM Report for the release reported at Global Solutions / Mattel, 1955 East Grand Avenue dated December 31, 1997. Contaminants of concern were not identified, but were also associated with the historic use of the site for aviation-related activities. No

cleanup actions were reported at the site, and the case was closed on February 2, 1998. Based upon the current regulatory status, and the separating distance and/or presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified LUST sites represent an environmental concern to the Subject Property.

California UST Databases (AST, UST, FID UST, HIST UST, SWEEPS UST)

The California Environmental Protection Agency, the California Water Resources Control Board and other entities previously maintained or currently maintain various lists recording permitted aboveground and underground storage tank (AST/UST) sites in California. The Subject Property was not identified on the AST/UST databases. However, three adjoining properties were identified on the AST/UST databases. Information regarding the listed sites is presented in the following table:

CA UST DATABASES				
Location	**Distance / Direction / Gradient**	**Capacity / Contents**	**Year Installed**	**Status**
Mattel, Inc. 333 Continental Blvd. El Segundo, CA 90245	Adjacent / Northeast / Crossgradient	(1) 2,650-gallon AST / Not reported	Not reported	Not reported
		(1) UST of unidentified capacity / Petroleum blend fuel	Not reported	Removed (Not Reported)
United Airlines 1955 E. Grand Ave. El Segundo, CA 90245	Adjacent / North-northeast / Crossgradient	(1) UST of unidentified capacity / Not Reported	1989	Active
Hughes Aircraft Co. CSG 1990 Grand Ave., E. El Segundo, CA 90245	Adjacent / East / Upgradient	(1) UST of unidentified capacity / Not Reported	1989	Active

* Presumed hydrogeologic gradient based upon regional topography

The 1990 and 1995 East Grand Avenue adjacent properties are cross-listed as Leaking Underground Storage Tank Sites, and are discussed further above.

Based upon the absence of reported releases at the 333 Continental Boulevard property, it is considered unlikely that conditions associated with the identified sites represent an environmental concern to the Subject Property.

Solid Waste Information System (SWIS and SWF/LF)

The Solid Waste Information System (SWIS and SWF/LF) facility database contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For each facility, the database contains information about location, owner, operator, facility type, regulatory and operational status, authorized waste types, local enforcement agency and inspection and enforcement records. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the SWIS and SWF/LF databases.

Waste Management Unit Database / Solid Waste Assessment Test (WMUDS/SWAT)

The Waste Management Unit Database (WMUDS) is used by the California Water Resources Control Board (SWRCB) and the Regional Water Quality Control Boards (RWQCBs) for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program

Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the WMUDS/SWAT database.

California Hazardous Material Incident Report System (CHMIRS)

The California Hazardous Material Incident Report System (CHMIRS) contains information regarding reported hazardous material incidents (i.e. accidental releases or spills). The data source is the California Office of Emergency Services. The Subject Property was not identified on the CHMIRS database.

Hazardous Waste Information System (HAZNET)

The California Environmental Protection Agency maintains a list of facilities that issue hazardous waste manifests. The source of the manifest records is the California Department of Toxic Substance Control (DTSC). Inclusion on the HAZNET database does not necessarily indicate the existence of an environmental concern, such as a release or spill incident. Four former occupants of the Subject Property were identified on the HAZNET database. Based upon information presented in the database, report, a former tenant of the Subject Property, Tishman Speyer Properties, Inc., generated laboratory waste chemicals and disposed of the waste stream by storage, bulking, and/or transfer off site. A second former tenant of the Subject Property, Team One Advertising, generated photochemicals/photoprocessing waste from 1993 until 1995 and disposed of the waste stream by off-site recycling. Reality Associated Fund #9, a third former tenant of the Subject Property, generated an unreported regulated waste in 2012, transferring stored waste off-site for disposal. The fourth identified former tenant, Commonwealth Grand Avenue Corp., generated off-specification aged or surplus inorganics, latex waste, and laboratory waste chemicals in 2003 and 2006. The wastes were transferred off-site. According to the database report, there are no reported violations associated with these former facilities. Based upon the absence of reported violations, and conditions observed during EBI's reconnaissance, it is considered unlikely that conditions associated with the identified HAZNET facilities represent an environmental concern to the Subject Property.

State and Tribal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on state or tribal Engineering Control or Institutional Control Registries.

State and Tribal Brownfield Sites

Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on state or tribal Brownfield Sites databases.

Tribal Environmental Databases

The United States Bureau of Indian Affairs (BIA) is responsible for the administration and management of 55.7 million acres of land held in trust by the United States for American Indians, Indian tribes, and Alaska Natives. There are 562 federally recognized tribal governments in the United States. The

environmental database report identifies tribal administered lands of the United States that have any area equal to or greater than 640 acres. No tribal administered lands were identified within 1.0 mile of the Subject Property.

4.1.3 Local Regulatory Agency Records

Local municipal offices consulted during the completion of this assessment included the following:

City of El Segundo Building Department
EBI reviewed available files regarding the Subject Property at the City of El Segundo Building Department for information regarding past uses of the Subject Property. The original building permits and certificates of occupancy for the existing building were not readily available for review. The review of Building Department records did not identify past uses of the Subject Property that would constitute a recognized environmental condition.

City of El Segundo Fire Department
EBI reviewed available files regarding the Subject Property at the City of El Segundo Fire Department, Fire Prevention Division. EBI identified a hazardous materials inventory detailing the storage of up to 210 gallons of diesel fuel in the first floor fire pump room of the Subject Property. El Segundo Fire Department files additionally included a letter regarding Addendum #2 to Krazan Phase I Environmental Site Assessment for the proposed Hyatt Place Property, addressed as 1940 and 1960 East Grand Avenue. The letter, prepared by Krazan & Associates, Inc. (Krazan), addresses concentrations of petroleum hydrocarbons detected in soils at the Subject Property. Krazan collected soil samples from the site in July 2008 and submitted them for laboratory analysis. Soil samples reportedly were found to have total recoverable petroleum hydrocarbon (TRPH) concentrations of 43 milligrams per kilogram (mg/kg). Krazan noted that State of California Regional Water Quality Control Board Environmental Screening Level (ESL) for soils in residential settings were 83 mg/kg for gasoline and 370 mg/kg for total petroleum hydrocarbons. Based on the results of soil analysis at the Subject Property compared to the applicable reporting levels, Krazan concluded that the concentrations detected at the site were insignificant. The letter does not indicate how many borings were advanced at the site, how many soil samples were analyzed, or where at the site the soil samples were collected. This letter was also identified during a previous Phase I ESA performed by AECOM and further discussion of this letter is provided in Section 4.3.8.

4.1.4 Vapor Migration

EBI conducted a vapor migration screening survey of the Subject Property. EBI's site observations and review of the environmental database report (cited in Section 4.1) did not identify any conditions on the Subject Property or on adjoining properties that would indicate a REC relative to vapor migration at the Subject Property.

This vapor migration screening was conducted in accordance with ASTM E1527-13 and is not intended to satisfy the requirements of ASTM E2600-15. The scope of this screening was limited to visual observations and review of the environmental database report and did not include the collection and laboratory analysis of air samples to confirm or refute the presence of airborne contaminants by vapor intrusion.

4.2 PHYSICAL SETTING

4.2.1 Topography

The Subject Property is located at an elevation of approximately 115 feet above mean sea level (msl). The topography of the Subject Property is relatively flat. The Subject Property is located in an undulating area, and the general slope of the surrounding region is to the west (see Figure 2 - Locus Map, which depicts the location of the Subject Property on the *Venice, California* USGS 7.5 Minute Topographic Quadrangle).

4.2.2 Geology and Soils

No bedrock outcroppings were observed at the Subject Property. Information concerning the geology of the Subject Property was obtained from the USGS Ground Water Atlas of the United States, California region (1995). The Subject Property is located within the Pacific Border physiographic province, which is characterized by steep rolling hills and mountains and consists of severely folded, faulted, commonly metamorphosed marine and continental sediments.

According to the Environmental Data Resources, Inc. (EDR) GeoCheck Physical Setting Source Summary, the dominant soil composition in the vicinity of the Subject Property is classified as Delhi. This soil consists of somewhat excessively well drained soil extending to a depth of more than 60 inches.

4.2.3 Hydrogeology and Hydrology

No natural surface water bodies were identified on or adjacent to the Subject Property. The nearest downgradient surface water body is the Pacific Ocean, located approximately 2.1 miles west of the Subject Property.

Local groundwater gradient is typically expected to follow surface topography; however, the absence of a distinct ground surface slope at the Subject Property prevents estimation of groundwater flow direction by this method. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

4.3 HISTORICAL USE OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

EBI attempted to determine the history of the Subject Property dating back to 1940 or first developed use. The following table summarizes the historical use of the Subject Property and surrounding area.

HISTORICAL USE SUMMARY			
Period	**Historical Uses**		**Source(s)**
	Subject Property	**Surrounding Area**	
At least 1896–1930s	Undeveloped land.	Undeveloped land.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records

HISTORICAL USE SUMMARY			
Period	**Historical Uses**		**Source(s)**
	Subject Property	**Surrounding Area**	
1930s–1970s	Undeveloped land, part of nearby oil field.	Undeveloped land and oil wells.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records
1970s–1986	Undeveloped land.	Undeveloped land and commercial development.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records
1987 to Present	Existing office building and parking garage.	Commercial development.	Aerial Photographs Topographic Maps City Directories Municipal Records Personal Interviews Other Historical Records

No environmentally significant conditions were identified on the Subject Property or surrounding properties during the historical review, with the exception of the oil wells located in the vicinity of the Subject Property between the 1930s and 1970s.

4.3.1 Aerial Photographs

Historical aerial photographs may be used to evaluate changes in land use and to identify visible areas of potential environmental concern. A search for historical aerial photographs depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR) for the previous Phase I Environmental Site Assessment (ESA) dated October 24, 2016, as referenced in Section 4.3.8 of this report. Aerial photographs depicting the Subject Property were reviewed and are summarized in the following table. Copies of the aerial photographs are presented in the EBI October 24, 2016 ESA included in Appendix G.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Issues Noted**	**Observations**
1923	No	**Subject Property:** The Subject Property appears to consist of cleared, undeveloped land.
		Surrounding Area: The surrounding properties to the north, east, south, and west are cleared, undeveloped land.
1928	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted on the 1923 photograph, with the exceptions that a small structure and what appears to be a pond are visible on the northern portion of the Subject Property.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1923 photograph, with the exception that small structures are visible on the surrounding properties to the north and east.
1938, 1953	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted in the 1928 photograph, with the exception that a structure is visible on the southeastern portion of the Subject Property.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted in the 1928 photograph, with the exception that a structure, apparently an oil derrick, is visible on the surrounding property to the west.
1963	No	**Subject Property:** No structures or other notable features are visible on the Subject

AERIAL PHOTOGRAPH SUMMARY		
Year	**Issues Noted**	**Observations**
		Property.
		Surrounding Area: No structures or other notable features are visible on the surrounding properties to the north, east, south, and west.
1972, 1977	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted in the 1963 photograph.
		Surrounding Properties: A roadway, trending east to west, is visible on the surrounding property to the north, beyond which no structures are visible. A paved parking lot is visible on the surrounding property to the south. No structures or other notable features are depicted on the surrounding properties to the east and west.
1983	No	**Subject Property:** The Subject Property appears to be occupied by a parking lot.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted in the 1977 photograph, with the exception that commercial structures are visible on the surrounding properties to the east and west. A commercial structure is visible beyond the roadway to the north.
1989, 1994, 2002, 2005, 2009, 2010, 2012	No	**Subject Property:** A rectangular commercial structure is visible on the northeastern portion of the Subject Property, with a second commercial structure, a parking garage, on the southwestern portion of the Subject Property. The northwestern portion of the Subject Property appears to be occupied by a paved parking lot. Landscaping is visible on the southeastern portion of the Subject Property.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted in the 1983 photograph.

4.3.2 Fire Insurance Maps

A search for historical fire insurance maps depicting the Subject Property and vicinity was conducted by EDR Sanborn Maps, Inc. The EDR Report indicated that coverage for the vicinity of the Subject Property was not available. A copy of the search documentation letter is presented in Appendix F.

4.3.3 Topographic Maps

Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. Other notable features such as woods, pipelines, municipal boundaries, and areas of filled land are often marked on topographic maps.

A search for historical topographic maps depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR) for the previous Phase I Environmental Site Assessment (ESA) dated October 24, 2016, as referenced in Section 4.3.8 of this report. Historical topographic maps depicting the Subject Property were reviewed and are summarized in the following table. Copies of the historic topographic maps are presented in the EBI October 24, 2016 ESA included in Appendix G.

TOPOGRAPHIC MAP SUMMARY		
Year	**Issues Noted**	**Observations**
1896, 1924,	No	**Subject Property:** No structures or other notable features are depicted on the Subject Property.

TOPOGRAPHIC MAP SUMMARY		
Year	**Issues Noted**	**Observations**
1930, 1948		**Surrounding Properties:** No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.
1950	No	**Subject Property:** Access roads are depicted running across the Subject Property.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted on the 1948 map, with the exception that small roadways are depicted on the surrounding properties to the east, south, and west. Small structures are depicted on the surrounding properties to the east, and a substation is identified on the surrounding property to the west.
1964	**Yes**	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted on the 1950 map.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted on the 1950 map, with the exception hat no substation is identified on the surrounding property to the west. **Oil wells** are identified to the northeast of the Subject Property.
1972, 1981, 2012	No	**Subject Property:** No structures or other notable features are depicted on the Subject Property.
		Surrounding Properties: A roadway, trending east to west, is depicted on the surrounding property to the north. No structures or other notable features are depicted on the surrounding properties to the east, south, and west.

4.3.4 Street Directories

Street directories are commercial publications containing names and addresses, and in many cases, occupations of the occupants of a particular community. The directories may also contain information pertaining to business processes conducted within a community. A search for historical street directories was conducted by Environmental Data Resources, Inc. (EDR) for the previous Phase I Environmental Site Assessment (ESA) dated October 24, 2016, as referenced in Section 4.3.8 of this report. Historical street directories were reviewed and are summarized in the following table. Copies of the street directories are presented in the EBI October 24, 2016 ESA included in Appendix G.

STREET DIRECTORY SUMMARY		
Year	**Issues Noted**	**Occupants**
1990, 1991, 1995, 2000, 2001, 2008, 2013	No	Various office tenants.

4.3.5 Recorded Land Title Records

Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A "chain of title" is a continuous record of ownership for a specific parcel. A 50-year chain of title search was not included in the scope of work for this assessment.

4.3.6 Property Tax Records

Property records for the Subject Property were obtained at the Los Angeles County Assessor's Office. The property card does not identify the current owner; however, Mr. Don McCurry, Chief Engineer, identified the owner as Realty Associates IX LP. Assessor's Office records indicate that the existing buildings were constructed in 1987. A listing of the former Subject Property owners was not available for review.

4.3.7 Environmental Liens and Activity and Use Limitations

EBI retained Land Title Inquiries, Inc. to conduct a search for Environmental Liens and Activity and Use Limitations for the Subject Property. The search was completed by a title professional from Land Title Inquiries, Inc. and included review of reasonably ascertainable Land Title and Judicial records. The Environmental Lien Search Report indicated that no environmental liens or Activity and Use Limitations were found of record. A copy of the Environmental Lien Search Report and accompanying documentation is presented in Appendix F.

4.3.8 Previous Environmental Reports

EBI was provided with the following previous environmental reports performed for the Subject Property.

Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California, prepared by Clayton Group Services, Inc., *A Bureau Veritas Company*, (Clayton), of Pleasanton, California, dated January 26, 2007

The Clayton Report was completed in general conformance with ASTM Standard E 1527-05. The scope of the Clayton Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local environmental records, review of the physical characteristics and history of the Subject Property. The following information was presented in the Clayton Report:

- At the time of the Clayton Report, the 5.37-acre Subject Property was improved with a nearly 260,000-square-foot, 12-story, office building at 1960 East Grand Avenue; an 11-story (9 above grade and 2 sub grade levels) parking structure at 1940 East Grand Avenue; an asphalt-paved parking lot; and landscaping.

- At the time of assessment, the existing structures were occupied by commercial office tenants and automobile parking. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Based upon review of historical resources dating back to 1928, Clayton reported that in 1928 the Subject Property and surrounding area appear to have been agriculturally cultivated. By 1938 oil exploration dominated much of the area; the subject property featured an AST and a bermed pit, which were removed by 1947 – the area was known as the El Segundo Oil Field. Thereafter until the mid-1970s when modern land configuration emerged, the subject property and adjoining properties were graded from time to time. The current office building and parking garage were built on the Subject Property around 1988 and the land uses have remained commercial office since.

- Regarding the former El Segundo Oil Field, no oil or gas wells are known to have been present on the Subject Property, but there was an AST and a bermed pit in 1938. Soil investigations conducted on the Subject Property in the 1980s revealed the presence of petroleum hydrocarbon odors and stains within fill materials to depths of nearly 20 feet bgs. A limited amount of analytical testing detected no petroleum hydrocarbons in the fill. Regulatory agencies have not required that the subject property or surrounding areas investigate historical oil field uses. In addition, the underlying fill material at the subject property is covered with buildings, parking lots, or engineered landscaping, all of which minimize human exposure to the underlying fill. Furthermore, groundwater is first encountered around 100 feet below ground surface, which is well below the extent of the fill, and is unlikely to have been impacted from Subject Property activities. Therefore, Clayton notes that this finding is a *historic recognized environmental condition* (HREC).

- The current use and storage of hazardous substances and petroleum products at the subject property is limited to diesel fuel for backup power, cooling water treatment chemicals, janitorial supplies, other subject property equipment (e.g., liquid-cooled transformer), and the photo processing wastes. Clayton observed secondary containment systems for most of the chemicals and wastes, and the various containers were in good condition with no evidence of chemical releases. No major chemical violations are noted in the regulatory agency records. Therefore, this finding represents a *de minimis* condition and not a REC.

- Clayton identified evidence of the following existing underground storage tanks (USTs) and aboveground storage tanks (ASTs) at the Subject Property: one 22,500-gallon water storage reservoir. The UST is a concrete basin that measures approximately 17 by 14 by 12.5 feet deep. In addition, one 120-gallon and two 75-gallon aboveground storage tanks (ASTs) are located beneath generators in office building ground floor equipment rooms and store diesel fuel for backup power generation.

- Clayton observed no indications of PCBs, except for a pad-mounted, liquid-cooled transformer, a hydraulic refuse compactor, light ballasts, and seven elevators. The transformer is located near the parking structure, the compactor is located in an office building ground floor equipment room, and the light ballasts are located throughout the office building. These are self-contained, and Clayton observed no evidence of releases or stains near this equipment. The elevators are cable-drawn and have no hydraulic hoists.

- Clayton reviewed various prior environmental reports prepared for the Subject Property. The reports included the following: a 1986 Geotechnical Report; a 1986 Preliminary Contaminated Soil Evaluation; and a 1995 Limited Asbestos [and other material] Survey. The 1986 Geotechnical Report indicated that the subject property was vacant grassy, weedy land that had been part of an oil field; no oil wells were encountered on the subject property. During surrounding area development from around 1969 through 1971, the subject property was graded and fill material was imported.

- The 1986 Preliminary Contaminated Soil Evaluation describes 24 soil borings advanced at the subject property in 1981, 1982, 1984, and 1986. Indications of petroleum hydrocarbon-impacted soil (e.g., odors, stains) were noted in fill materials found at depths of 4.0, 9.5, 17, and 19 feet bgs. Three soil samples collected at depths ranging from 5.0 to 12 feet bgs were tested for total petroleum hydrocarbons (TPH) and for benzene, toluene, ethylbenzene, xylenes (BTEX, collectively); no TPH or BTEX concentrations were detected.

- The 1995 Limited Asbestos [and other material] Survey describes an inspection and sampling for suspect asbestos containing material (ACM), lead containing paint (LCP), and polychlorinated biphenyl (PCB)-containing light ballasts, as well as an evaluation of radon gas. Identified suspect ACM included roofing, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. No asbestos was detected in samples collected from the 5th, 6th, 8th, 10th, 11th, and 12th floors, roof, and from the parking garage. Identified suspect LCP included stairwells on the 12th floor, piping and equipment in a mechanical room, and areas within the parking garage. No lead was detected in the eight paint chip samples collected, except for 0.934% lead (a cooling tower pipe). This concentration exceeded the U.S. Department of Housing and Urban Development (HUD) action level of 0.5%, but the subject property is not residential. No PCB concentrations were identified in light ballasts. Radon levels for the area were determined to be 1.0 picoCuries per liter (pCi/L), and below the United States Environmental Protection Agency's (USEPA) action level of 4.0 pCi/L.

- Based upon review of the environmental database report, Clayton identified the following listings for the Subject Property: HAZNET, RCRA-SQG and FINDS databases. Occupant Team One Advertising is a generator of hazardous wastes, including photochemical/photo processing and laboratory waste chemicals. No violations are reported, and no releases are documented.

- Based upon review of the environmental database report, Clayton identified several adjacent properties with various listings; however, Clayton identified no off-site facilities that were considered likely to have impacted the Subject Property.

Based upon the findings of the Phase I Environmental Site Assessment, Clayton did not identify any recognized environmental conditions (RECs) associated with the Subject Property. Clayton recommended no further action or investigation.

Phase I Environmental Site Assessment, Grand Avenue Courtyard, 1940 and 1960 East Grand Avenue, El Segundo, California 90245, prepared by AECOM of Camarillo, California, dated August 2010

The AECOM Report was completed in general conformance with ASTM Standard E 1527-05. The scope of the AECOM Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local environmental records, and review of the physical characteristics and history of the Subject Property. The following information was presented in the AECOM Report:

- At the time of the AECOM Report, the Subject Property consisted of two parcels totaling approximately 5.36-acres developed with a twelve-story, 260,000 square foot office building and an eleven-level above ground parking garage. The office building does not have a basement, two of the parking garage levels are below grade. The subject property also has a surface parking lot and extensive landscaping including a Kio pond.

- At the time of assessment, on-site tenant activities and operations include office activities. Tenants include airline related businesses, law firms, advertising agencies, other office tenants and a café. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Historical research indicates that prior to construction of the current office building and parking garage in 1988, the subject property was part of an oil field. The subject property appears to have been vacant, undeveloped land as depicted on an 1896 topographic map. A 1924 topographic map also shows the subject property to be vacant and undeveloped. A 1928 aerial photograph shows what appears to be an oil sump (referred to in previous environmental reports as a bermed pit) located on the north central portion of the subject property, with an aboveground storage tank (AST) shown on the eastern portion of the subject property in 1938. The subject property remained essentially unchanged until after 1956. In the 1965 and 1976 aerial photographs, the subject property appears to be vacant, graded land. Construction of the existing buildings began in 1987 and the buildings were completed in 1988. The office building has been occupied by office tenants since that time. City directories indicate that the subject property was occupied by various office tenants from 1990 through 2000.

- In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. AECOM identified a letter from Krazan and Associates Inc. (Krazan) to OTO Development, LLC dated June 22, 2009. This letter indicates that Krazan had conducted soil sampling at the subject property in July 2008. Krazan concluded that petroleum hydrocarbons detected in subject property soils (43 ppm) did not pose a significant risk for further development of the subject property. Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986. Three soil samples were analyzed at that time for petroleum hydrocarbons and benzene, toluene, ethylbenzene, and xylenes (BTEX), but these compounds were not detected in the soil samples analyzed. However, based on soil sample analysis results obtained as part of prior assessments, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

- AECOM reported that no underground storage tanks (USTs) are currently located on the subject property, other than a 22,000-gallon fire water storage tank located under the east side of the office building. An emergency generator is located on the first floor of the office building. The generator includes a self-contained 120-gallon diesel AST. Two additional 120-gallon diesel aboveground storage tanks are associated with the fire pumps located on the first floor of the office building. These ASTs are located within a concrete berm. No drains, stains, or leaks were observed in the vicinity of the diesel ASTs or generator.

- Small quantities of paints, cleaners, degreaser (WD-40), stains, and motor oil (associated with the generators) were observed to be stored on shelving units and/or in flammable materials cabinets in the janitorial supply rooms, mechanical rooms, storage rooms, and generator rooms. The materials were not stored in the vicinity of floor drains and no significant staining was observed in the storage areas. Two 55-gallon drums of water treatment chemicals are stored on the roof of the office building adjacent to the cooling tower. These chemicals are located on secondary containment pallets.

- A concrete pad-mounted transformer was observed outside at the northwest corner of the parking garage. The transformer is owned by, and is the responsibility of, the Southern California Edison Company. No markings were observed on the transformer indicating polychlorinated biphenyl (PCB) content; however, no staining was observed on the transformer or on the concrete pad. Additionally, based on the age of the subject property development (circa 1988), PCBs are not

anticipated to be present within the on-site transformer equipment. Based on the above information; the onsite transformer appears to be properly managed.

- AECOM reviewed various previous environmental reports prepared for the Subject Property. The reports included the following: Report of Geotechnical Investigation, Proposed Building Development, Grand Avenue Between Sepulveda, Continental, and El Segundo Boulevards, El Segundo, California, dated March 8, 1984. Prepared by LeRoy Crandall and Associates for Nu-West Inc. (California); Report of Phase I Environmental Site Assessment, Xerox Centre, 1960 East Grand Avenue, El Segundo, California, dated April 1995. Prepared by Kleinfelder, Inc. for Homart Development Co.; and Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California, dated January 26, 2007. Prepared by Clayton Group Services, Inc. for Lowe Enterprises; HBI Mold Assessment Report and Clearance Document, 1960 East Grand Avenue, El Segundo, California, dated May 14, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises, and HBI Mold Assessment Report and Clearance Document, 1st Floor Central Corridor, 1960 East Grand Avenue, El Segundo, California, dated May 21, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises. The first three reports are summarized in and/or included the previous Clayton report. The fourth report is discussed as follows: Healthy Buildings International Inc. (HBI) performed a mold assessment following a water leak in a 3rd floor break room. HBI conducted visual observations for stains, discoloration and visible mold growth. Moisture levels were measured in areas that appeared to be damp. Marginally wet drywall was identified in a stairwell, a 3rd floor restroom and the ceiling of the 1st floor café and in the 1st floor central corridor. Fans and dehumidifiers were used to dry out the areas. A follow-up inspection did not reveal and stains or mold growth or excessive dampness. Airborne samples for mold did not indicate a significant source of mold in the building.

- Based upon review of the environmental database report, the subject property was identified on the RCRA-SQG, FINDS and HAZNET databases as Team One Advertising, Suite E. This current tenant of the building is listed as a small-quantity generator of hazardous waste. The RCRA-SQG database indicated that no violations have been reported for this tenant. The HAZNET database indicates that this tenant has generated photoprocessing waste, which is sent to a recycler or transfer station. According to the site contact, hazardous waste is no longer generated by this tenant. The subject property is not listed on a contamination-related database. Based on AECOM's area reconnaissance and information provided in the EDR report, the former and current uses of the adjacent or nearby sites do not appear to present RECs in association with the subject property.

Based upon the findings of the Phase I Environmental Site Assessment, AECOM did not identify any recognized environmental conditions (RECs) associated with the Subject Property. AECOM recommended no further action or investigation.

Phase I Environmental Site Assessment, Grand Avenue Courtyard, 1960 East Grand Avenue, El Segundo, California, prepared by EBI Consulting, Inc. (EBI) of Burlington, Massachusetts, dated October 24, 2016

The EBI Report was completed in general conformance with ASTM Standard E 1527-13. The scope of the EBI Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local environmental records, review of the physical characteristics and history of the Subject Property, and a limited visual survey for the presence of asbestos-containing materials (ACM). The following information was presented in the EBI Report:

- At the time of the EBI Report, the Subject Property was improved with one office building and a parking garage which were constructed in 1987. The subject buildings are situated on two parcels, comprising approximately 5.37-acres.

- At the time of assessment, the existing structure was occupied by 69 commercial office tenants. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Based upon review of historical resources dating back to 1890s (aerial photographs, USGS topographical maps), EBI reported that the Subject Property was vacant, undeveloped land prior to construction of the existing improvements in 1987.

- EBI did not identify evidence of existing or former underground storage tanks (USTs) at the Subject Property.

- EBI reported that two (2) 120-gallon diesel fuel aboveground storage tanks (ASTs) were in use to support the firewater pump system. The ASTs are located in the fire pump room on the first floor of the office building. EBI also identified one (1) 120-gallon diesel AST associated with an emergency generator. The AST is double-walled steel and is located below the generator in a room on the first floor of the building. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floors in the vicinity of the ASTs.

- EBI identified one electrical transformer room on the first floor of the office building. The transformer room was not accessible during the survey. EBI identified one pad-mounted transformer adjacent to the parking garage at the Subject Property. EBI reported that no staining or other evidence of a release of dielectric fluid was observed in the vicinity of the transformer room or transformers. EBI did not observe labeling on the transformers identifying PCB content. EBI reported that the transformers were owned and operated by the public electrical utility company, Southern California Edison.

- EBI reported that the office building was serviced by five overhead traction elevators; and, the parking garage was serviced by two overhead traction elevators.

- EBI reported that hazardous substances and/or petroleum products identified at the Subject Property was limited to commonly available janitorial and cleaning supplies located in the storage shed, storage rooms, and maintenance office, including interior latex paint, mineral spirits, household cleaners, and water treatment chemicals associated with the closed-loop heating/cooling system. Areas of chemical storage were reported to be well maintained and free of spills, staining, or other indications of a release.

- EBI reviewed previous Phase I ESA reports, as discussed above, including a letter prepared by Krazan & Associates, Inc. (Krazan), addressing concentrations of petroleum hydrocarbons previously detected in soil at the Subject Property. According to Krazan, soil samples collected from the site in July 2008 were submitted for laboratory analysis of total recoverable petroleum hydrocarbons (TRPH). The laboratory results identified TRPH at a concentration of 43 milligrams per kilogram (mg/kg) in soil. Krazan concluded that the TRPH encountered was insignificant. The prior Clayton report stated that petroleum hydrocarbon odors and stains were noted at the property during soil sampling from 1981 through 1986, prior to development. The contamination was deemed to be associated with the historical use of the property and immediate vicinity as part of an oil field in approximately the 1920s through the 1950s. Based upon review of available information, the

historic contamination identified on the Subject Property is considered to represent a *de minimis* condition and no further action is recommended.

- Based upon review of the environmental database report, EBI identified no on-site or off-site facilities that were considered likely to have impacted the Subject Property.

- EBI conducted a limited visual survey for the presence of asbestos-containing materials (ACM). The following suspect materials were identified: sheetrock/joint compound composite material and 2'x4' white perforated acoustical ceiling tile, vinyl floor tile and associated mastic, sheet vinyl flooring and associated mastic, and various construction mastics and caulking. These materials were observed to be undamaged and in good condition at the time of assessment.

Based upon the findings of the Phase I Environmental Site Assessment, EBI did not identify any recognized environmental conditions (RECs) associated with the Subject Property. EBI recommended no further action or investigation.

Relevant information from the previous reports is discussed in the appropriate sections of this report, and portions of the previous reports are presented in Appendix G.

4.3.9 Other Historical Records and Interviews

Mr. Don McCurry, Building Engineer, was interviewed to obtain information regarding the history of the Subject Property. Mr. McCurry reported that he has been familiar with the Subject Property for approximately 21 years and that the existing building was constructed in 1987. Mr. McCurry was unaware of the use or occupants of the Subject Property prior to 1987.

5.0 SUBJECT PROPERTY RECONNAISSANCE

The Subject Property reconnaissance was conducted by Ms. Debra Bechtold, EBI Senior Scientist, on February 8, 2017. Ms. Bechtold was accompanied by and interviewed Mr. Don McCurry, the Subject Property Engineer.

5.1 METHODOLOGY AND LIMITING CONDITIONS

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares. Building exteriors were observed along the perimeter from the ground, unless described otherwise. Building interiors were observed as they were made safely accessible, unless described otherwise.

At the time of the survey, the weather was overcast and approximately 70° Fahrenheit. During the survey, representative tenant spaces, mechanical spaces, and/or equipment components were observed. There were no significant portions of the Subject Property that were inaccessible or excluded from this survey.

5.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

5.2.1 Hazardous Substances and Petroleum Products (Identified Uses)

Notable hazardous substances or petroleum products in connection with identified uses observed at the Subject Property are described below.

HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS			
General Type of Material	**Approximate Quantity / Container / Material**	**Location**	**Storage Condition**
Cleaning Compounds and Janitorial Supplies	Various sized containers, ranging from aerosol cans to five-gallon pails	Janitorial Closets	Good: No leaks or spills
HVAC Treatment Compounds	(3) 45-gallon drums: anti-freeze and microbicides (3) 15-gallon pails: microbicides	Mechanical Penthouse	Good: No leaks or spills

EBI did not identify evidence of significant leaks, spills, or the improper handling of petroleum or hazardous substances that might impact the environmental condition of the Subject Property. The facility maintains a Spill Prevention, Control and Countermeasure (SPCC) Plan for handling materials in use at the Subject Property. It should be noted that a compliance audit was beyond the scope of work for this assessment and was not performed.

5.2.2 Hazardous Substances and Petroleum Products (Unidentified Uses)

EBI did not observe evidence of hazardous substance or petroleum products containers at the Subject Property that were not in connection with identified uses.

5.2.3 Unidentified Substances Containers

EBI did not observe evidence of unidentified substances containers at the Subject Property.

5.3 WASTE GENERATION, STORAGE, AND DISPOSAL

EBI identified the following waste streams generated at the Subject Property:

WASTE GENERATION, STORAGE, AND DISPOSAL			
Classification	**Type of Waste / Generation Process**	**Type of Storage / Location**	**Disposal Method / Contractor**
Non-regulated Solid Waste	Municipal Solid Waste / Routine Site Operations	2 Solid Waste Dumpsters (Trash Storage Room)	Athens Services
	Cardboard Recyclables / Routine Site Operations	1 Recycling Dumpster (Trash Storage Room)	Full Circle Recycling Company
	Construction Debris	1 Roll-off dumpster (East side of Subject Property)	CWS
Non-regulated Liquid Waste	Sanitary Sewage / Routine Site Operations	NA (Municipal Sanitary Sewer)	City of El Segundo
Regulated Solid or Liquid Waste	Spent fluorescent tubes, ballasts, and lead-acid batteries / Routine Site Operations and Maintenance	Cardboard Bins (Receiving Dock)	Regency Lighting
Biomedical Waste	None identified	NA	NA

No evidence of improper solid waste management or the improper disposal of hazardous substances or petroleum products was observed at the time of reconnaissance.

5.4 UNDERGROUND STORAGE TANKS (USTS) & ABOVEGROUND STORAGE TANKS (ASTS)

5.4.1 Existing Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of existing USTs located at the Subject Property. EBI identified the following ASTs located at the Subject Property.

STORAGE TANKS		
(2) 120-gallon ASTs	Contents:	Diesel Fuel
	Location:	Ground Floor Fire Pump Room
	Year Installed:	Unknown
	Construction Materials:	Single-wall steel tank
	Leak Detection/Prevention:	Concrete block secondary containment basin
	Staining / Releases:	None identified
(1) 120-gallon AST	Contents:	Diesel Fuel
	Location:	Ground Floor Emergency Generator Room
	Year Installed:	Unknown
	Construction Materials:	Single-wall steel tank
	Leak Detection/Prevention:	Concrete block secondary containment basin
	Staining / Releases:	None identified

One diesel-fired emergency generator and associated 120-gallon AST are located on the ground floor of the existing office building. The generator and AST are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

Two diesel-fired fire pumps and associated 120-gallon ASTs are located on the ground floor of the existing office building. The fire pumps and ASTs are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

5.4.2 Former Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of former USTs or ASTs located at the Subject Property.

5.5 OIL-CONTAINING EQUIPMENT AND POLYCHLORINATED BIPHENYLS (PCBS)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution in commerce of PCBs was banned for use in 1979 by the United States Congress, which enacted the Toxic Substance and Control Act (TSCA). In accordance with *US Code of Federal Regulations Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter R - Toxic Substance Control Act (TSCA), Part 761 - Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*, the owner of a transformer or other PCB-containing equipment is responsible for equipment maintenance and remediation in the event of a leak or release.

The following oil-containing equipment was identified at the Subject Property:

OIL-CONTAINING EQUIPMENT			
Classification	**Type of Equipment**	**Year Installed / Location**	**Staining / Releases Identified**
Transformers and Fluid-Containing Electrical Equipment	(1) Electrical Transformer [Southern California Edison]	1987 / Transformer vault, Ground Floor of office building	NA
	(1) Pad-mounted Electrical Transformer [Southern California Edison]	1987 / North of Parking Garage	No
Hydraulic Equipment	None identified	NA	NA
Other Oil-containing Equipment	None identified	NA	NA

EBI observed one pad-mounted electrical transformer located on the central portion of the Subject Property, adjacent to the parking garage. The transformer appeared to be in good condition, and no staining or other evidence of a release of dielectric fluid was observed in the vicinity of the transformer unit. The transformer unit is owned and operated by the regional electrical utility provider, Edison Electric. In the event of a release of dielectric fluid from one of its transformers, the utility company typically conducts regulatory response actions and cleanup.

One electric transformer is reportedly located within a utility vault on the eastern side of the ground floor of the office building. The transformer unit is reportedly owned and operated by the regional electrical utility provider, Southern California Edison. The transformer vault was sealed by the electric utility and was not accessible at the time of reconnaissance. In the event of a release of dielectric fluid

from one of its transformers, the utility company typically conducts regulatory response actions and cleanup.

5.6 ADDITIONAL SITE CONDITIONS

The following is a summary of visual and/or physical observations of the Subject Property on the day of the site visit. Photographs of pertinent Subject Property features are presented in Appendix A.

ADDITIONAL SITE CONDITIONS	
Condition	**Identified**
Interior Drains, Trenches, or Sumps	**Yes**
Interior Stains or Corrosion	No
Unusual Odors	No
Interior Pools of Liquid	No
Stained Soil or Pavement	No
Stressed Vegetation	No
Indications of Solid Waste Disposal	No
Exterior Pits, Ponds, or Lagoons	**Yes**
Wastewater or Stormwater Discharge/Disposal	**Yes**
Oil-Water Separators or Clarifiers	No
Septic Systems or Cesspools	No
Wells (Drinking Water Wells, Monitoring Wells, Agricultural/Irrigation Wells, or Process Water Wells)	No
Petroleum or Natural Gas Pipelines/Easements	No

Floor drains were observed in the restrooms and former service kitchen. Floor drains and a sump pit were also observed in the parking garage. The floor drains and sump pit reportedly discharge to the municipal sewer system. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of these structures.

A decorative pond is located on the southeastern portion of the Subject Property. No staining or other evidence of a release was observed in the vicinity of this feature.

The ground surface outside the building is relatively flat. Stormwater runoff from the asphalt-paved parking areas on the northwestern and eastern portions of the Subject Property discharges to catch basins located along Grand Avenue. The catch basins are associated with the municipal stormwater sewerage system, operated by the City of El Segundo. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of the stormwater drainage features.

6.0 INTERVIEWS

The following persons were interviewed to obtain information regarding recognized environmental conditions in connection with the property. Additionally, a Pre-Survey Questionnaire was forwarded to the designated Subject Property contact. Mr. Don McCurry completed the Pre-Survey Questionnaire during the completion of the EBI assessment conducted in October 2016 and a copy is provided in Appendix C. The information requested in the Pre-Survey Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property.

INTERVIEWS			
Contact / Affiliation	**Date of Communication**	**Years Associated with Subject Property**	**Telephone No.**
Mr. Don McCurry Chief Engineer Davis Partners	02/08/2017	21	(310) 414-0014
Mr. Neal Perkey Regional Director Davis Partners	02/08/2017	5	(310) 414-0014

Pertinent information from the interviews is presented in applicable sections of this report.

7.0 CONSIDERATIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-13

The following sections address environmental issues or considerations at the Subject Property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM Practice E 1527-13 (non-scope considerations).

7.1 ASBESTOS-CONTAINING MATERIAL (ACM)

Asbestos is a term used to describe a group of six naturally occurring crystalline fiber minerals. Asbestos has excellent thermal stability, a high degree of tensile strength, and has been used extensively in the textile, insulation, and building industries, particularly as a component in fireproofing, decorative coatings, insulation materials, and as reinforcement for plaster binders in building products. Asbestos-containing building materials are generally classified as friable or non-friable. Friable materials are those that can be crumbled, pulverized, or reduced to powder by hand pressure, or by normal use or maintenance can be expected to emit asbestos fibers into the air. Non-friable ACM is a potential concern if it is damaged by maintenance work, demolition, or other activities, at which time it may be considered friable.

According to Mr. Don McCurry, Chief Engineer, there is no asbestos-containing materials in the buildings.

As discussed in Section 4.3.8, a prior Phase I ESA prepared by Clayton Group Services, dated January 2007, included the review of a 1995 Limited Asbestos [and other material] Survey describing an inspection and sampling for suspect asbestos containing material (ACM). The survey identified suspect ACM including roofing, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. Clayton reported that no asbestos was detected in samples collected from the 5th, 6th, 8th, 10th, 11th, and 12th floors, the roof, or from the parking garage.

EBI conducted a limited visual screening survey for the presence of ACM at the Subject Property. EBI identified friable suspect ACM in the form of sheetrock/joint compound composite material and 2'x4' white perforated acoustical ceiling tile, and non-friable suspect ACM in the form of vinyl floor tile and associated mastic, sheet vinyl flooring and associated mastic, and various construction mastics and caulking. These materials were observed to be undamaged and in good condition at the time of assessment. Please note that this survey was limited to visual observations of accessible areas and that the scope of work for this assessment did not include the collection and laboratory analysis of bulk samples of suspect ACM. Additional suspect ACM may be present in inaccessible areas, including, but not limited to, roofs, pipe chases behind solid walls and ceilings, concealed floor coverings, the interior of machinery or equipment, or water and sewer systems.

It should be noted that the limited visual screening survey conducted under the scope of work for this assessment does not constitute a full asbestos inspection, in which all areas of the buildings would have been thoroughly surveyed and sampled. The possibility exists for ACM to be present in areas of the buildings not accessed or sampled by EBI personnel. Based on the limited scope of this assessment, additional suspect ACM may also present in areas of the buildings that were accessed as part of this assessment.

Due to the continued distribution of a wide variety of asbestos-containing building materials, asbestos may be present in some of the roofing, flooring, wall and ceiling materials, caulking/putties, adhesives, spackling compounds, and insulation materials, as well as other building materials that may be used at the Subject Property. Sampling many of these materials requires techniques that may be destructive to

subject facilities, and in the case of roofing material, may void warranties. It is recommended that an asbestos inspection be performed in accordance with all applicable federal, state, and local regulatory requirements prior to renovation, demolition, or other activities that could cause a material disturbance. Any removal or disturbance of ACM or suspect ACM should be performed by properly trained personnel and in compliance with federal, state, and local regulations.

7.2 RADON

Radon is a naturally occurring, colorless and odorless radioactive gas that is generated primarily in granitic rocks. The United States Surgeon General has published information that radon is a cause of lung cancer. Radon usually enters a building through openings in the foundation, and therefore is a potential health concern to residents of the lowest level of a building with inadequate ventilation.

The EPA Map of Radon Zones indicates that Los Angeles County is located within a Zone 2 radon area. Zone 2 is defined as an area that has a moderate potential for radon gas, with a predicted average indoor radon screening level between 2.0 picoCuries per liter (pCi/L) and 4.0 pCi/L. The EPA recommended Action Level for radon is 4.0 pCi/L.

Based upon the non-residential nature of the Subject Property and in accordance with the scope of work for this assessment, EBI did not conduct a limited short-term radon screening at the Subject Property.

7.3 LEAD-BASED PAINT (LBP)

Use of lead in household paint was banned by the U.S. Environmental Protection Agency (EPA) effective January 1, 1978. The EPA and the U.S. Department of Housing and Urban Development (HUD) consider lead-based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm^2) or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

Based on the non-residential use of the existing buildings and in accordance with the scope of work of this assessment, a lead-based paint (LBP) survey was not conducted at the Subject Property.

7.4 LEAD IN DRINKING WATER

Lead has historically been used in pipes, solder, and brass fixtures used in water distribution systems and building plumbing systems. In 1986, EPA banned the use of lead at concentrations exceeding 0.2% lead in solder and 8% lead in other plumbing materials. Lead in drinking water results primarily from corrosion of lead containing materials in service lines or from corrosion of lead containing materials in building plumbing systems such as lead solder, brass, bronze, and other lead containing alloys. The EPA Action Level for lead in public drinking water supplies is 0.015 parts per million (ppm) or 0.015 milligrams per liter (mg /L).

Municipal water service is provided to the Subject Property by the City of El Segundo. Potable water is reportedly obtained from Northern California and the Colorado River. Based upon review of the 2016 Annual Drinking Water Quality Report, the municipal water supply meets all current criteria established by the Safe Drinking Water Act (SDWA) and local municipal drinking water standards, including those for lead. Based upon the existing municipal water service and in accordance with the scope of work for this assessment, EBI did not conduct lead-in-drinking water sampling at the Subject Property.

8.0 FINDINGS AND OPINIONS

EBI has performed this Phase I Environmental Site Assessment of the Subject Property in conformance with the scope and limitations of ASTM Standard E 1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has identified no evidence of *recognized environmental conditions (RECs)* in connection with the Subject Property.

However, the following *de minimis condition* was identified in connection with the Subject Property.

- EBI identified a letter, prepared by Krazan & Associates, Inc. (Krazan), addressing concentrations of petroleum hydrocarbons previously detected in soils at the Subject Property. Soil samples collected from the site in July 2008 were submitted for laboratory analysis, and total recoverable petroleum hydrocarbons (TRPH) concentrations of 43 milligrams per kilogram (mg/kg) were reportedly found in the soil and were determined to be insignificant. This letter was also identified during a previous Phase I ESA performed by AECOM and further discussion of this letter is provided in Section 4.3.8. Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986, prior to development of the Subject Property. The contamination was deemed to be associated with the historical use of the subject property and immediate vicinity as part of an oil field in approximately the 1920s through 1950s. Based upon review of available information, the historic contamination identified on the Subject Property is considered to represent a de minimis condition and no further action is recommended.

9.0 RECOMMENDATIONS

Based upon the findings of this investigation, no further action is recommended.

10.0 REFERENCES

PHASE I ENVIRONMENTAL SITE ASSESSMENT REFERENCES

ASTM Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Data Resources, Inc., Certified Sanborn® Map Report; Inquiry Number 04842909.3, dated February 1, 2017.

Environmental Data Resources, Inc., EDR Historical Topo Map Report with QuadMatch™; Inquiry Number 04842909.4, dated February 1, 2017.

Environmental Data Resources, Inc., The EDR Aerial Photo Decade Package; Inquiry Number 04842909.5, dated February 1, 2017.

Environmental Data Resources, Inc., The EDR Radius Map™ Report with GeoCheck®; Inquiry Number 004842909.2r, dated February 1, 2017.

Environmental Data Resources, Inc., The EDR-City Directory Abstract; Inquiry Number 04842909.6, dated February 1, 2017.

Letter Re: Addendum #2 to Krazan Phase I Environmental Site Assessment, prepared by Krazan & Associates, Inc., dated June 22, 2009.

State Water Resources Control Board, CSM Report for Public Noticing, Global Solutions, 1955 Grand Ave., El Segundo, California, dated October 20, 2016.

State Water Resources Control Board, CSM Report for Public Noticing, Hughes Aircraft Co CSG, 1990 Grand Ave E, El Segundo, California, dated October 20, 2016.

USGS Topographic Map, Venice, California Quadrangle, 7.5-Minute Series, dated 2012.

APPENDIX A

PHOTOGRAPHS

1.	Western and northern façades of Subject Property.

2.	Eastern façade of Subject Property.

3.	Southern façade of Subject Property.

4.	Parking garage viewed from the building.

5.	Water treatment chemicals.

6.	Solid waste and recycling dumpsters.

7.	Fire pump diesel fuel AST.

8.	Emergency generator diesel fuel AST.

9.	Pad-mounted transformer at garage.

10.	Elevator machine room.

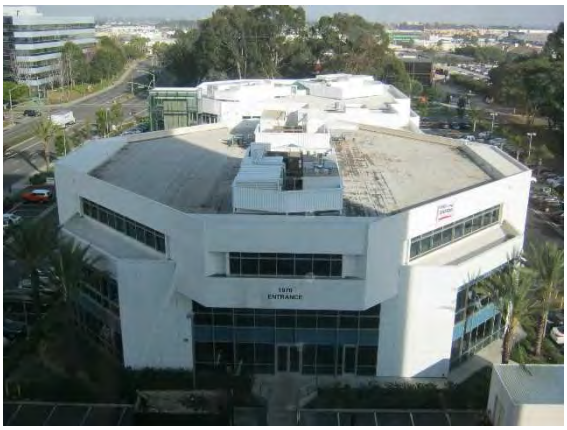
11.	Sump pit at parking garage.

12.	Representative interior space, office tenant.

13.	Representative interior space, vacant tenant.

14.	Landscaping south of office.

15.	East Grand Avenue and surrounding property to the west. Mattel.



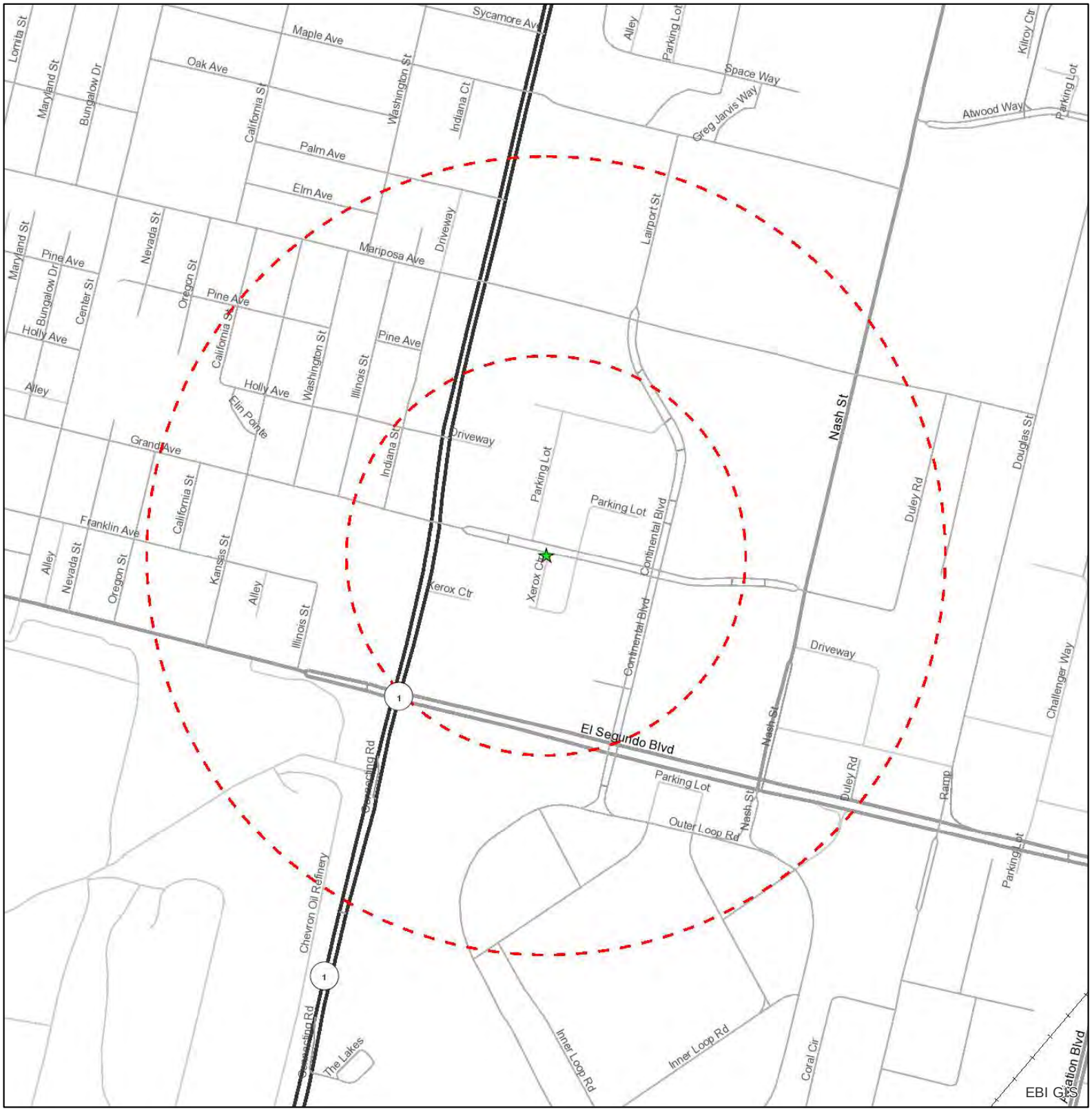
16.	Surrounding properties to the north, Stamps.com.

17.	Surrounding property to the east, hotel and parking.

18.	Surrounding property to the south, parking garage.

APPENDIX B

FIGURES



Legend

- Project Site
- Site Radius at ¼ and ½ mile

Source: Selected data from ESRI, EBI & USGS

N

Date: 2/1/2017

Figure 1: Site Location Map

0 500 1,000 2,000 3,000 Feet

GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

PN: 1117000509

EBI Consulting
environmental | engineering | due diligence

Legend

Source: Selected data from USGS, ESRI and EBI.

★ Project Site

Project Radius at 250', 500', 1000' and 1/2 Mile

USGS 24K Quad: Venice, CA 1982

Figure 2 - Topographic Map

0 500 1,000 2,000 Feet

/ Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, California 90245

EBI Consulting
environmental | engineering | due diligence

PN: 1117000509

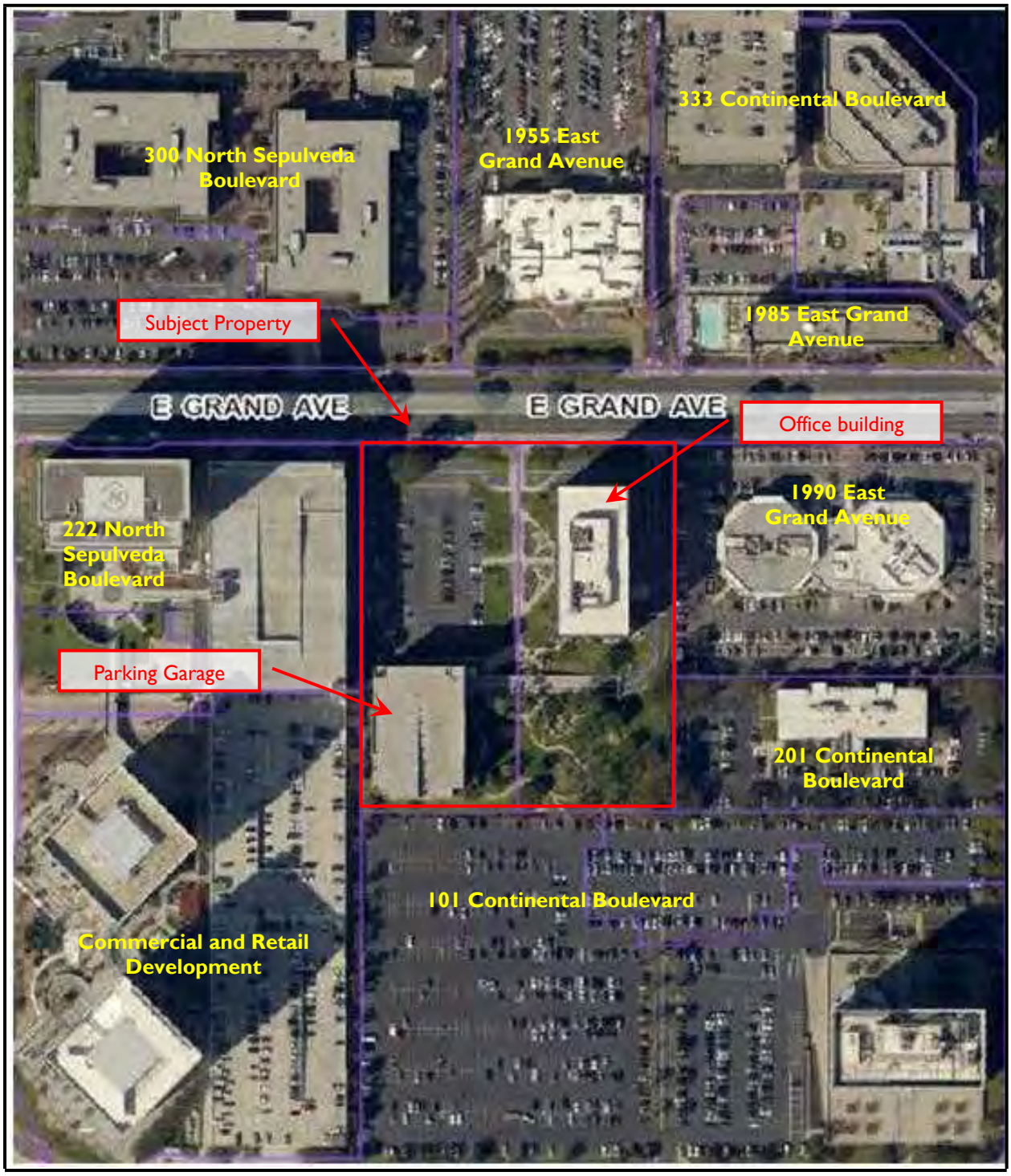


FIGURE 3 – SITE PLAN

Not to scale

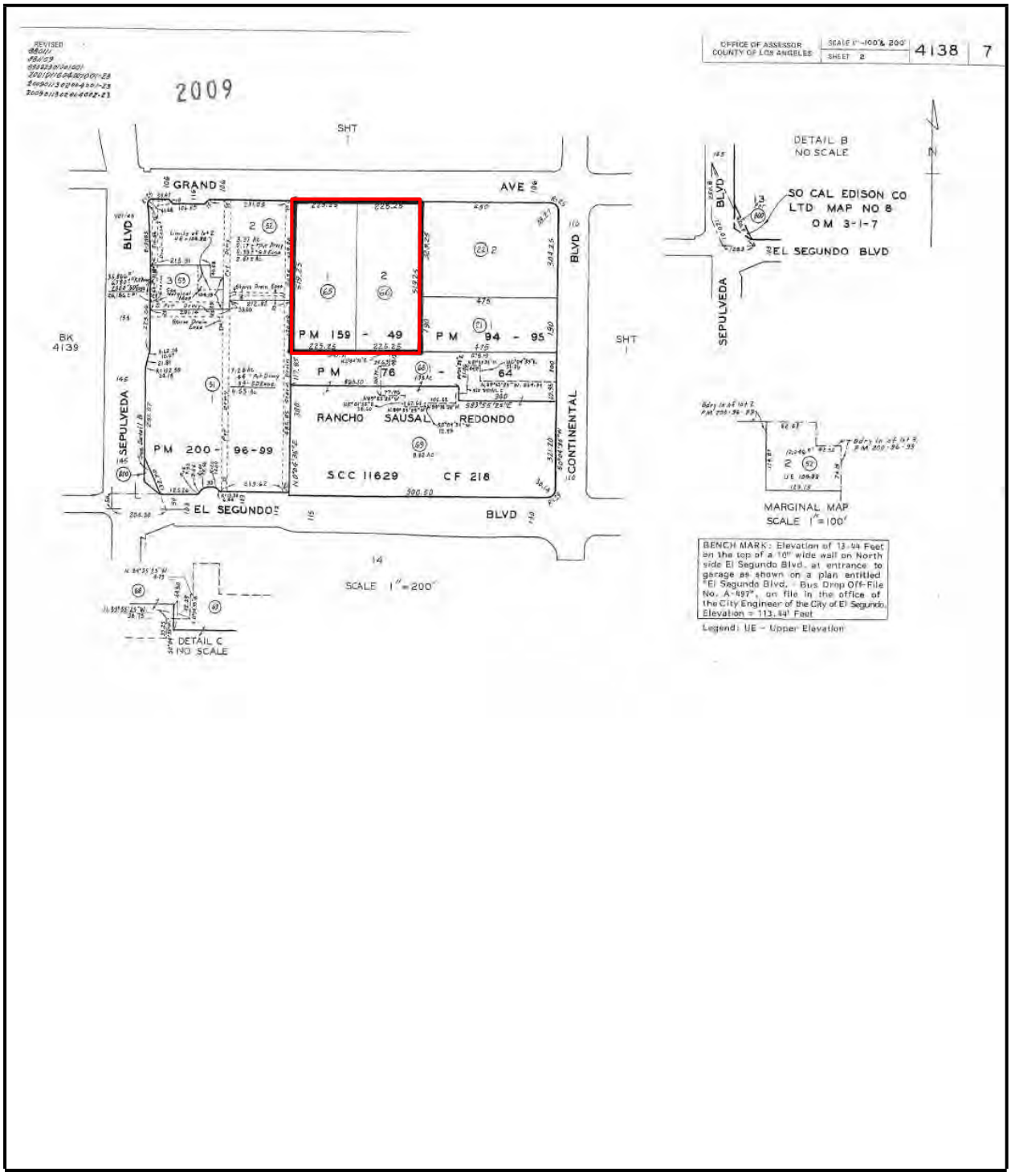


FIGURE 4 – TAX MAP

Not to scale

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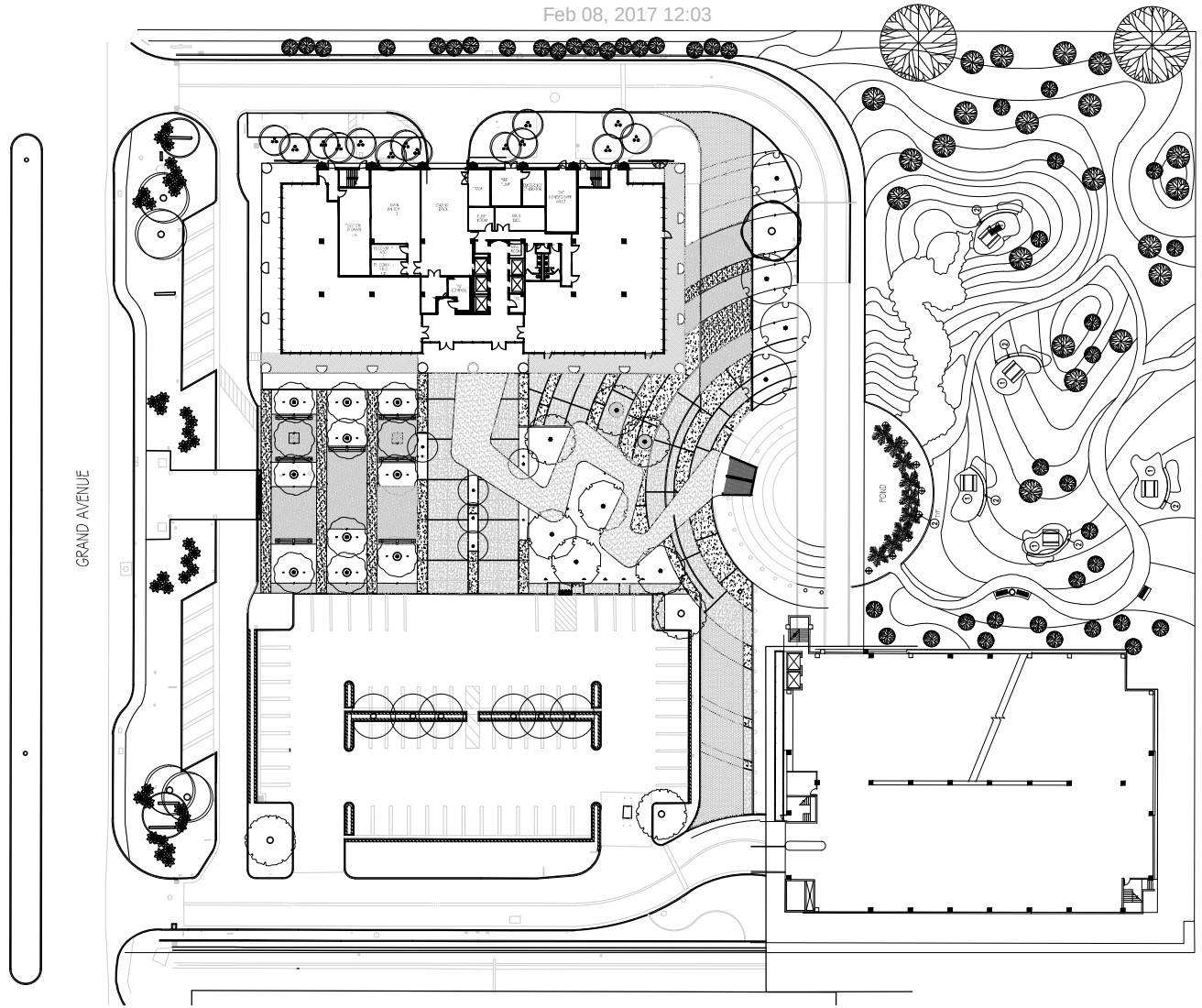

DAVISPARTNERS

N

saa
SHLEMMER • ALGAZE • ASSOCIATES

DAVIS PARTNERS, LLC
1960 E. GRAND AVE.
EL SEGUNDO, CA

SITE PLAN

6083 Bristol Parkway
Culver City, CA 90230
T (310) 553-3252
F (310) 553-9449

06/14/16

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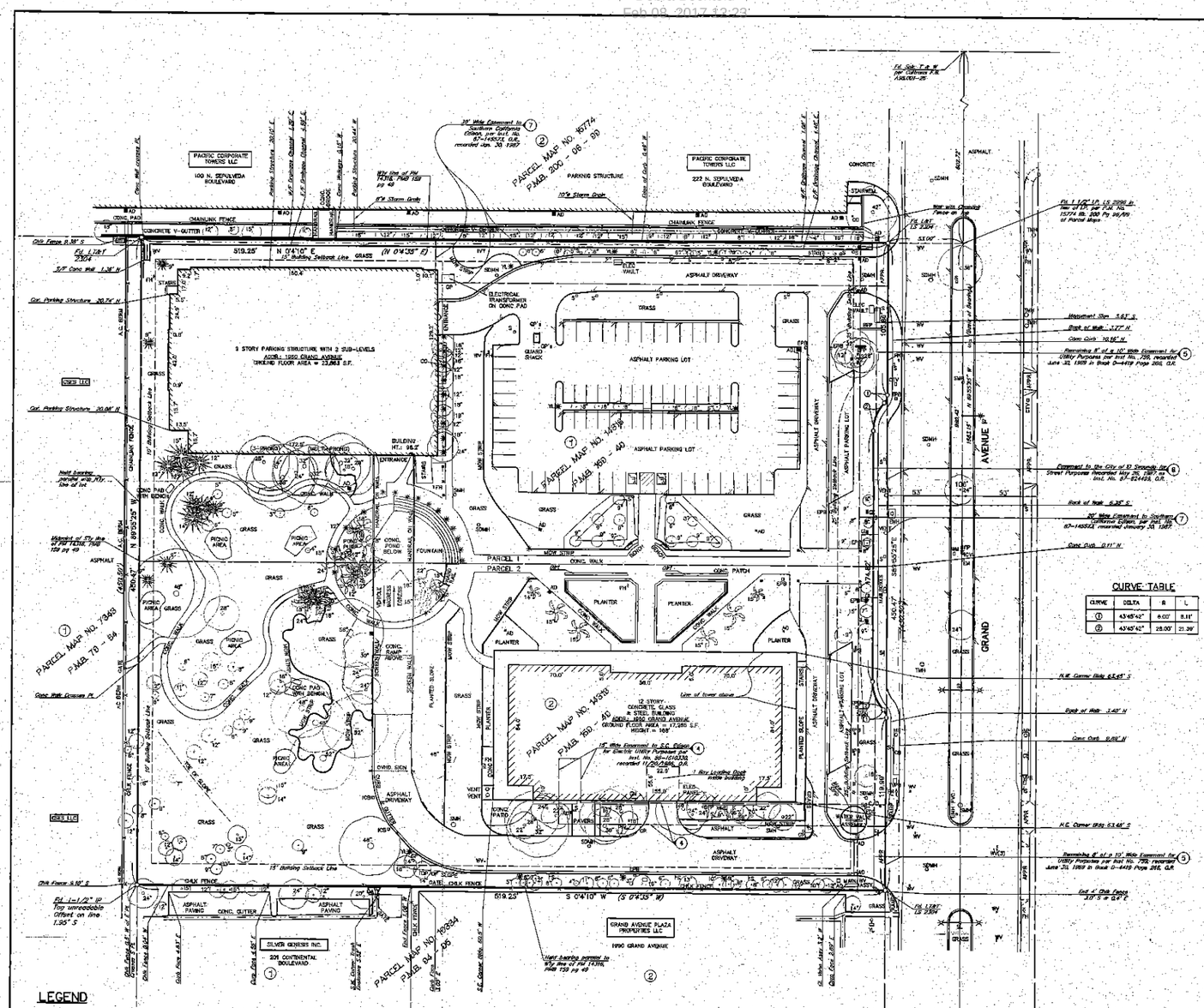
Feb 08, 2017 12:23



CURVE TABLE

CURVE	DELTA	R	L
①	43°45'42"	8.00'	8.11'
②	43°45'42"	28.00'	21.39'

COMMENTS

BOUNDARY LINES..... MORE ESTABLISHED FROM RECOVERED CITY, COUNTY AND/OR PRIVATE SURVEY MONUMENTS WHOSE CHARACTER AND SOURCE ARE SO NOTED ON THE SURVEY.

LEGAL DESCRIPTION..... FROM INFORMATION SUPPLIED BY CLIENT, USUALLY A TITLE POLICY OR TITLE REPORT.

EASEMENTS..... PLOTTABLE EASEMENTS ARE SHOWN FROM AN ORIGIN SUPPLIED TITLE REPORT. NON-PLOTTABLE ONES ARE NOTED ON THE SURVEY AS HAVING "EFFECT ON". BECAUSE OUR SERVICE IS LIMITED TO REPORTING OF EASEMENT LOCATIONS WE STRONGLY RECOMMEND LEGAL COUNSEL BE RETAINED TO REPORT ON TITLE PAPERS IN THEIR ENTIRETY.

TITLE REPORT..... FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK COMMITMENT NO. NCS-435880-NY UPDATED AUGUST 26, 2010.

(X) INDICATES TITLE REPORT EXCEPTION NO.

BASIS OF BEARINGS..... THE BEARING NORTH 89°59'35" WEST OF THE CENTERLINE OF GRAND AVENUE, AS SHOWN ON PARCEL MAP NO. 14316, P.M.B. 59, PAGE 40, WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS SURVEY.

AREA..... BASED UPON MEASURED BEARINGS AND DISTANCES AS SHOWN HEREON, THE AREA IS:
533,609 SQ. FT. = 5.3287 ACRES (GROSS)
231,857 SQ. FT. = 5.3227 ACRES (NET)
WHERE "GROSS" IS DEFINED AS THE AREA OF THE SUBJECT FEE PARCEL AS LEGALLY DESCRIBED HEREON AND "NET" IS DEFINED AS THE REMAINING SUBJECT PARCEL, AFTER SUBTRACTION OF EXISTING STREET EASEMENTS.

PARKING COUNT..... REGULAR 648 PARKING SPACES
COMPACT 254 PARKING SPACES
HANDICAP 13 PARKING SPACES
915 TOTAL PARKING SPACES

ZONING..... ZONE CO (CORPORATE OFFICE)
SEE SURVEYOR'S NOTE 4.

BUILDING SETBACK..... FRONT SETBACK: 25'
SIDE SETBACK: 15'
REAR SETBACK: 10'
HEIGHT RESTRICTION: 200'
SEE SURVEYOR'S NOTE 4.

FLOOD ZONE..... SUBJECT PROPERTY LIES WITHIN FLOOD ZONE C (AREA OF MINIMAL FLOODING) AS SHOWN ON FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 060118, DATED APRIL 7, 1998, AS PUBLISHED BY FEDERAL EMERGENCY MANAGEMENT AGENCY.

UTILITIES..... UTILITIES SHOWN HEREON ARE CURRENT AS OF DECEMBER 12, 1991 AND NO UPDATE WAS PERFORMED FOR THIS SURVEY.

EFFECT OF..... GENERAL AND SPECIAL TAXES AND ASSESSMENTS FOR THE FISCAL YEAR 2010-2011, THE LIEN OF SUPPLEMENTAL TAXES, IF ANY. (1)(2).

EFFECT OF..... AN EASEMENT TO SOUTHERN CALIFORNIA EDISON FOR UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS AND INCIDENTAL PURPOSES RECORDED NOVEMBER 20, 1928 AS INSTRUMENT NO. 86-1810330 OF OFFICIAL RECORDS. PLOTTED. (4)

EFFECT OF..... AN EASEMENT FOR PIPE LINE AND UTILITY PURPOSES FOR DOCUMENT RECORDED JUNE 30, 1969 AS INSTRUMENT NO. 739 IN BOOK D-4419, PAGE 268 OF OFFICIAL RECORDS. PLOTTED. (5)

EFFECT OF..... AN EASEMENT FOR DRAINAGE OF WATER RUN OFF FROM THE ADJACENT PROPERTY RECORDED MAY 26, 1976 AS INSTRUMENT NO. 78-560101 OF OFFICIAL RECORDS. THIS EASEMENT IS INDETERMINATE IN LOCATION. (6)

EFFECT OF..... AN EASEMENT TO SOUTHERN CALIFORNIA EDISON FOR COMMUNICATION SYSTEMS AND INCIDENTAL PURPOSES RECORDED JANUARY 30, 1987 AS INSTRUMENT NO. 87-145073 OF OFFICIAL RECORDS. PLOTTED. (7)

EFFECT OF..... AN EASEMENT TO CITY OF EL SEGUNDO FOR PUBLIC STREET AND INCIDENTAL PURPOSES RECORDED MAY 26, 1987 AS INSTRUMENT NO. 87-624469 OF OFFICIAL RECORDS. PLOTTED. (8)

THERE IS NO EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.

THERE ARE NO CHANGES TO THE STREET RIGHT OF WAY LINE EITHER COMPLETED OR PROPOSED.

THE SITE IS NOT BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

LEGAL DESCRIPTION

PARCEL ONE:

PARCEL 1 IN THE CITY OF EL SEGUNDO, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PARCEL MAP NO. 14316, AS PER MAP FILED IN BOOK 159, PAGE 49 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, WATER (AND STEAM) AND OTHER MINERALS, WHETHER SIMILAR TO THOSE SPECIFIED OR NOT, WITHIN OR THAT MAY BE PRODUCED FROM SAID LAND, WITH NO RIGHT OR INTEREST OF ANY KIND THEREIN, EXPRESS OR IMPLIED IN THE SURFACE OF SAID LAND, BUT WITH THE SOLE AND EXCLUSIVE RIGHT FROM TIME TO TIME TO DRILL AND MAINTAIN WELLS AND SUPPORTING WORKS INTO ON THROUGH SAID LAND BELOW A DEPTH OF 500 FEET AND TO PRODUCE, INJECT, STORE AND REMOVE FROM AND THROUGH SUCH WELLS ON WORKS, OIL, GAS AND OTHER SUBSTANCES OF WHATSOEVER NATURE INCLUDING THE RIGHT TO PERFORM ANY AND ALL OPERATIONS DEEMED NECESSARY OR CONVENIENT FOR THE EXERCISE OF SAID RIGHT, AS RESERVED BY STANDARD OIL COMPANY OF CALIFORNIA, A CORPORATION, IN DEED RECORDED JUNE 30, 1969 AS INSTRUMENT NO. 739, IN BOOK D-4419, PAGE 268, OFFICIAL RECORDS.

PARCEL TWO:

PARCEL 2 IN THE CITY OF EL SEGUNDO, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PARCEL MAP NO. 14316, AS PER MAP FILED IN BOOK 159, PAGE 49 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM OIL, GAS AND OTHER HYDROCARBON SUBSTANCES, WATER (AND STEAM) AND OTHER MINERALS, WHETHER SIMILAR TO THOSE SPECIFIED OR NOT, WITHIN OR THAT MAY BE PRODUCED FROM SAID LAND, WITH NO RIGHT OR INTEREST OF ANY KIND THEREIN, EXPRESS OR IMPLIED IN THE SURFACE OF SAID LAND, BUT WITH THE SOLE AND EXCLUSIVE RIGHT FROM TIME TO TIME TO DRILL AND MAINTAIN WELLS AND SUPPORTING WORKS INTO OR THROUGH SAID LAND BELOW A DEPTH OF 500 FEET AND TO PRODUCE, INJECT, STORE AND REMOVE FROM AND THROUGH SUCH WELLS ON WORKS, OIL, GAS AND OTHER SUBSTANCES OF WHATSOEVER NATURE INCLUDING THE RIGHT TO PERFORM ANY AND ALL OPERATIONS DEEMED NECESSARY OR CONVENIENT FOR THE EXERCISE OF SAID RIGHT, AS RESERVED BY STANDARD OIL COMPANY OF CALIFORNIA, A CORPORATION, IN DEED RECORDED JUNE 30, 1969 AS INSTRUMENT NO. 739, IN BOOK D-4419, PAGE 268, OFFICIAL RECORDS.

SURVEYOR'S NOTES

THIS SURVEY HAS BEEN PREPARED FOR TITLE INSURANCE PURPOSES

1. THE BOUNDARY DATA AND TITLE MATTERS AS SHOWN HEREON HAVE BEEN DEVELOPED FROM THE REFERENCED TITLE REPORT.
2. THIS SURVEY MAY NOT CONTAIN SUFFICIENT DETAIL FOR DESIGN PURPOSES.
3. THIS SURVEY DOES NOT INCLUDE EASEMENTS EXCEPT THOSE SPECIFICALLY DELINEATED HEREON. NOR DOES IT SHOW THE LOCATION OF OR ENCROACHMENTS BY SUBSURFACE FOOTINGS AND/OR FOUNDATIONS OF BUILDINGS SHOWN ON THIS MAP.
4. IF UNDERGROUND PUBLIC UTILITIES AND OTHER SUBSTRUCTURES, ZONES, SET BACK AND STREET WIDENING DATA ARE SHOWN HEREON; IT IS FOR INFORMATION ONLY, HAVING BEEN OBTAINED FROM A GENERAL REQUEST AT THE LOCAL AGENCY'S PUBLIC COUNTER AND/OR OTHER SOURCES NOT CONNECTED WITH THIS COMPANY. NO REPRESENTATION IS MADE AS TO THE ACCURACY, CURRENCY OR COMPLETENESS OF SAID INFORMATION AND ANYUSERS OF SAID INFORMATION ARE URGED TO CONTACT THE UTILITY OR LOCAL AGENCY DIRECTLY.

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY (AS DEFINED AND LIMITED BY SECTION 8770.5 OF THE BUSINESS AND PROFESSIONS CODE OF CALIFORNIA) TO REALTY ASSOCIATES ADVISORS, LLC; FIRST AMERICAN TITLE INSURANCE COMPANY, AND THEIR RESPECTIVE SUCCESSORS AND ASSIGNS THAT THIS IS A TRUE AND CORRECT SURVEY OF THE PROPERTY HAVING A STREET ADDRESS OF 1250 GRAND AVENUE, EL SEGUNDO, CALIFORNIA, AND SHOWS THE TRUE AND CORRECT LOCATION OF THE BUILDINGS AND VISIBLE IMPROVEMENTS SITUATED ON SUCH LAND AND ALL EASEMENTS RIGHTS-OF-WAY, SETBACK LINES) AND SIMILAR RESTRICTIONS OF RECORD AS CONTAINED IN THE REFERENCED PRELIMINARY TITLE REPORT; AFFECTING THE PROPERTY SURVEYED. EXCEPT AS SHOWN, THE BUILDINGS AND IMPROVEMENTS DO NOT OVERHANG OR ENCROACH UPON ANY EASEMENT OR RIGHTS-OF-WAY OF OTHERS, AND THERE ARE NO ENCROACHMENTS OTHER WAY ACROSS PROPERTY LINES. THE PROPERTY SURVEYED CONTAINS 5.3227 ACRES AND 915 PARKING SPACES; AND IS NOT LOCATED WITHIN A FLOOD PLAIN AREA.

I HEREBY CONFIRM THAT THIS SURVEY IS MADE AT LEAST IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2005, AND INCLUDES ITEMS 2, 3, 4, 6, 7(a), 7(b)(1), 7(c), 8, 9, 10, 11(a), 13, 14, 16, 17 AND 18 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, THE UNDERSIGNED FURTHER CERTIFIES THAT THE POSITIONAL UNCERTAINTIES RESULTING FROM THE SURVEY MEASUREMENTS MADE ON THIS SURVEY DO NOT EXCEED THE ALLOWABLE POSITIONAL TOLERANCE.

DOUGLAS E. HOWARD, PLS 8169
PSOMAS

DATE: September 2, 2010

NOTE: SECTION 8770.6 OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE STATES THAT THE USE OF THE WORD CERTIFY OR CERTIFICATION BY A LICENSED LAND SURVEYOR IN THE PRACTICE OF LAND SURVEYING OR THE PREPARATION OF MAPS, PLATS, REPORTS, DESCRIPTIONS OR OTHER SURVEYING DOCUMENTS ONLY CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE CERTIFICATION AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

LEGEND

- PROPERTY / BOUNDARY LINE
- STREET R/W LINE
- CURB LINE (FROM 1"=20' ON TO 1"=200')
- CURB LINE (1"=10', 1"=8', 1"=16')
- CENTER LINE
- FLOW LINE
- LOT LINE / PARCEL LINE
- EASEMENT LINE (SHWEDTHS)
- CENTER LINE (APPROXIMATE)
- BUILDING FOOT PRINT LINE
- RVEGWAAG LINE
- FENCE LINE
- GUARD RAIL
- RETAINING WALL
- CONC. BLOCK WALL
- EDGE OF ASPHALT PAVING
- CONCRETE PAVING
- AREA DRAIN
- CATCH BASIN W/GRATE& HOLE
- MANHOLE (SEWER, STORM DRAIN, POWER, TELEPHONE)
- POWER POLE (P.P.) / TELEPHONE POLE (T.P.)
- SIGN (ALL KINDS)
- STREET LIGHT
- FIRE HYDRANT
- DOWNSPOUT
- YARD LIGHT

TS ..... TRAFFIC SIGNAL
TS/RLX ..... TRAFFIC SIGNAL W/STREET LIGHT
FDC ..... FIRE DEPARTMENT CONNECTION
PIV ..... POST INDICATOR VALVE
→ ..... DIRECTION OF WATER DRAINAGE FLOW
PM ..... PARKING METER
G/M ..... GAS / WATER METER
GV/WV ..... GAS / WATER VALVE
SL/RLX/TS/RLX ..... SLEE./STREET LIGHT/TRAFFIC/CAMPHORM FULL BOX
TREE ..... TREE WITH W.S. W/TRUNK DIAMETER
PLANTER
GP ..... GUARD POST
APPROX. ..... APPROACH (DRIVEWAY)
BFP ..... BACKFLOW PREVENTER
CO ..... CLEAN OUT
CL.F. ..... CHAIN-LINK (FENCE/GATE)
BM ..... BENCHMARK
PM ..... PROPERTY LOT / PARCEL MARKER
(100.00') ..... REC. DIM. OR BEARING IF DIFFERENT THAN MEASURED
/I ..... IMPROVEMENT FACE
/E ..... IMPROVEMENT EDGE
/EM ..... IMPROVEMENT END
N/E/S/W ..... NORTH/EAST/SOUTH/WEST LOCATION OF IMPROVEMENT W/ RESPECT TO REFERENCE NORTH AND PROPERTY LINE.
(NAME) ..... ADJACENT PROPERTY OWNER

NO.	DATE	DESCRIPTION	BY	APP'D
1	9-02-10	REVISED PER CLIENT COMMENTS AND UPDATED TITLE REPORT	FJW	DRH
2	8-11-10	ALTA UPDATE	FJW	DRH
3	5-5-10	ALTA UPDATE	FJW	DRH
4	6/30/07	ALTA UPDATE	HBG	DRH
5	1-10-07	ALTA UPDATE	ADJ	MJR
6	11-12-00	ALTA UPDATE	RFM	ROD
7	6-21-00	ALTA UPDATE	RFM	ROD
8	12-12-91	REVISED TO SUPPLEMENTAL REPORTS	RCG	
9	11-5-91	ALTA UPDATE	MJC	
10	5-8-90	REVISION PER CLIENT'S REQUEST	RCG	

DRAWN: D.E.H.
CHECKED: F. J. W.
APPROVED: D.R.H.

PSOMAS
555 South Flower Street, Suite 4400
Los Angeles, CA 90071
(213) 223-1400 - (213) 223-1444 (FAX)
www.psomas.com

ALTA/ACSM LAND TITLE SURVEY FOR:
TA ASSOCIATES REALTY
1960 GRAND AVENUE
IN THE CITY OF EL SEGUNDO COUNTY OF LOS ANGELES STATE OF CALIFORNIA

DATE: NOVEMBER 13, 1989
SCALE: 1" = 30'
JOB NO.: 1TTS090603, TASK 100
SHEET 1 OF 1

1HOM1301.01, 1HOM1301.02, 1LDN0403, 1TTS0905, 1TTS0908D7

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Feb 08, 2017 12:23

APPENDIX C

PRE-SURVEY QUESTIONNAIRE AND OTHER RELEVANT DOCUMENTATION

EBI Consulting
environmental | engineering | due diligence

Please fill out and sign this questionnaire to the best of your knowledge for the Engineer's/Scientist's site visit. Email to **Jonathan Kerry** at REResearchGroup@ebiconsulting.com or fax to (781) 425-3623, for our report files, and keep the original to provide to the Engineer or Scientist.

Subject Property Name: Grand Avenue Courtyard **EBI Project #:** 1116005380

Address: 1960 East Grand Avenue El Segundo CA

Subject Property Owner: **Purchase Date:**

On-Site Property Contact: Don McCurry **Telephone:** 310.414.0014

Fax: Chief Engineer **Email:**

Your Name and title	**Signature**	**Date**
		10/12/16

PROPERTY CONDITION REPORT PRE-SURVEY QUESTIONNAIRE

Additional plans and documentation (see page 4) must be forwarded to the site for the Engineer during the survey. For questions not applicable please respond "N/A." Attach additional pages if necessary. This questionnaire and your responses will be included as an exhibit in the Engineer's report. Accurate and full completion is critical to a timely completion of our reports, and timely loan closing.

LOCAL JURISDICTIONAL INFORMATION

1. What is the property ID #, Lot and Block, or Township/Range ID #?
2. What is the legal Municipality or County that has jurisdiction over the property? El Segundo/LA County
3. What is the assessors file ID number and tax file ID number if available?

PROPERTY INFORMATION

4. What is the size of the subject property lot or lots, in acres? 5.3
5. How many parking spaces (and HCP parking spaces) are present at the property?
6. How many buildings comprise the subject property? 2
   a. If the property is a mall or large retail center, please confirm and list ownership of each building.
7. What is the gross and net rentable square footage of the building(s)?
8. What is the date of construction of the building(s)? When was the building(s) first occupied? 1986/87
9. How many tenant spaces or apartments are at the Subject Property? 69
   a. If the property is apartments, please provide a unit and type count by bedroom and square feet.
10. Please list, to the best of your knowledge, any deficiencies or problems with the site, parking area, amenities or utilities.
11. Please list, to the best of your knowledge, any structural, water infiltration, mold, roof, plumbing, HVAC, Fire Alarm or electrical deficiencies or problems.
12. During the last five years, have any major capital improvements been made to the site or building(s)? If so, please explain, with the approximate cost.

ENVIRONMENTAL SITE ASSESSMENT PRE- SURVEY QUESTIONNAIRE

1. Describe the current uses of the property noting tenant names and oil/chemical usage. office tenants

2. Describe the past uses of the property noting tenant names and oil/chemical usage. office tenants, formerly 1 café tenant

3. (Y) (N) Has a previous environmental site assessment report been prepared for the property? If yes, for what reason? Can EBI have a copy?

4. (Y) (N) Has a subsurface investigation (Phase II) ever been conducted on the property, including soil sampling, groundwater sampling, or installation of groundwater monitoring wells? If yes, for what reason? What were the results? Can EBI have a copy of the report? Are there any groundwater monitoring wells currently located on the property?

5. (Y) (N) Has contamination been identified at the Subject Property? Describe the nature of the contamination (i.e., source, media impacted, location, sampling, cleanup activities, regulatory status, etc.). Can EBI have copies of related documentation?

6. (Y) (N) Has a spill or surficial release occurred at the Subject Property? Describe the nature of the spill/surficial release (i.e., source, location, response/cleanup actions, regulatory status, etc.). Can EBI have copies of related documentation?

7. (Y) (N) Is the Subject Property listed with the USEPA and/or the state environmental regulatory agency as a contaminated site? If yes, please describe. Can EBI have copies of related documentation?

8. (Y) (N) Has there ever been previous sampling for Asbestos, Lead-Based Paint, Lead in Water, or Radon? If yes, please describe. Can EBI have copies of related documentation?

9. (Y) (N) Has there been any Asbestos or Lead-Based Paint abatement or Radon mitigation conducted at the Subject Property? Are there Asbestos and/or Lead-Based Paint Operations and Maintenance Plans for the Subject Property? If yes, please describe. Can EBI have copies of related documentation?

10. (Y) (N) Any known environmental liens, deed restrictions, or use limitations for the Property? If yes, please describe. Can EBI have copies of related documentation?

11. (Y) (N) Any permitted or regulated activities (Hazardous waste generator, air) on the Property? If yes, please describe.

12. (Y) (N) Are there any transformers or other electrical equipment, which may contain PCBs? If yes, please describe. Where are they? Who owns the transformer(s)? Who services them? Transformer vault - Edison owned and maintained

13. (Y) (N) Has an industrial or manufacturing operation, gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junk yard, landfill or waste, treatment, storage, disposal processing or recycling facility ever been located at **or** adjacent to the property? If yes, please describe.

14. (Y) (N) Are there any discarded drums, barrels or containers, construction debris, damaged or discarded automobile or industrial batteries, or pesticides, paints or other chemicals in individual containers or drums of greater than five gallons or fifty gallons in aggregate located on the property? If yes, please describe.

15. (Y) (N) Have there ever been any waste storage or treatment lagoons, pits, ponds, or surface impoundments on the property? If yes, please describe.

16. (Y) (N) Does the property have floor drains not discharging to a sewer? Septic System? If yes, please describe.

17. (Y) (N) Are there currently aboveground or underground storage tanks at the property? If yes, complete table.

Type of Tank	Size	Content	Installation Date	Spill/Leak Detection? Y or N
Above or Underground	120 gal	Diesel fuel	unknown	N
Above or Underground	120 gal	Diesel fuel	unknown	N
Above or Underground	120 gal	Diesel fuel	Unknown	N
Above or Underground	gal			

18. Are you aware of any information to indicate that the Subject Property was sold for substantially below its fair market value? If so, please provide an explanation: NO

19. Additional comments and/or pertinent information relevant to this Phase I ESA:

Document and Information Checklist

Please provide the following information (as much as possible in electronic format) so the Engineer or Scientist can proceed with the survey of the property. Asterisk (*) items are critical to report completion. The documents will become exhibits in the Consultant's report.

A. Plans	B. Municipal Documents	C. Additional Information
▪ ALTA Survey or Site Plan* ▪ Architectural Building Plans* - plans, elevations, wall section, foundation, HVAC & elec. schedules ▪ Reduced scale Site and Building Plans ▪ ***Extremely critical for properties in Seismically active zones 3 and 4**** *STRUCTURAL PLANS – **Seismic Assessments are required for these properties. Structural drawings must be provided at the time of the site visit. If no drawings are provided, the report will be delayed and the Seismic Assessment may be overly conservative.*** ▪	▪ Certificate of Occupancy* ▪ Building Permit* ▪ Façade inspection compliance* ▪ Copy of tax cards ▪ Copy of violations **B.1 NYC Projects** ▪ Department of Building Violations* ▪ Environmental Control Board Violations* ▪ Local Law 11 Facade Reports*	▪ Capital expense report for 1 to 3 years* ▪ Tenant Rent Roll* ▪ Roof warranty ▪ History of recent improvements ▪ Schedule of Floor Area Measurements - Gross and Rentable Square Feet ▪ Previous Due Diligence or Building Component Reports, including, but not limited to, façade*, roof*, mechanical*, electrical, elevator, sprinkler, fire alarm or life safety equipment, or pavement. ▪ Copy of most Recent Appraisal

EBI Access Requirements

At the time of the site visit the Consultant is required to gain access to all areas of the property. This includes:

- All building roofs, unless pitched asphalt shingles. This may require you to obtain and provide a ladder.

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Feb 13, 2017 19:46

REIT PROPERTY SERVICES QUESTIONNAIRE
OFFICE & INDUSTRIAL PROPERTY

Property Information

Name of the property: Grand Avenue Courtyard
Location of the property: 1960 East Grand Avenue, 1940 East Grand Avenue, El Segundo, CA 90245
Description of the property: Twelve (12) story high-rise office building, Nine (9) story parking garage

Are the on-site employees employed by the owner or by the property manager?
Property management office staff employed by 3rd property management company. All other on-site staff employed by vendors per vendor contracts.

Property Manager Information

Name of property management company: Davis Partners, LLC
Name of person completing this checklist and telephone and e-mail contact: Neal Perkey, Regional Director, 310-414-0014, neal.perkey@davispartners.com

1. Is the amount of any rent received under any lease of space in the property based or determined in full, or in part, on the "net" income or profits of the tenant or any other person? [Note: rents based on a fixed percentage or percentages of gross receipts or sales are not based on "net" income or profits.]

YES ☐ NO X

If "yes", please describe. _____
_____
_____
_____
_____
_____

2. Are there any leases where the FMV of the leased personal property (e.g., furniture, equipment, appliances, etc.) represents more than 15% of the total fair market value of both the real property and personal property that is leased under the lease?

YES ☐ NO X

If "yes", please describe. _____
_____
_____
_____
_____
_____

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Feb 13, 2017 19:46

3. Are there any leases in which the property owner owns, directly or indirectly, 10% or more of the ownership interests in the tenant?

YES ☐ NO X

If "yes", please describe. _____

_____

_____

_____

_____

_____

4. Please indicate whether the property owner provides any of the following services to its tenants by checking the "Service Provided" box. Check the "Customary" box if the service is usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located. Also indicate (by checking "D" or "IK") whether the owner provides the service directly through its employees (D) or indirectly by contracting with an independent contractor (IK) to provide the service. Check the "Separate Charge" box, if the owner separately bills and collects a charge for the service.

	Service Provided	Customary	D	IK	Separate Charge
a. Utilities (electricity, gas, water, sewer)	X	X	☐	X	☐
b. Air conditioning, heating, lighting	X	X	☐	X	☐
c. Telecommunication services (e.g., telephone, internet, cable, etc.)	X	X	☐	X	☐
d. Repair and maintenance of building and building systems	X	X	☐	X	☐
e. Security of building common areas, including security guards	X	X	☐	X	☐
f. Fire protection and sprinkler systems	X	X	☐	X	☐
g. Key and security card replacements	X	X	☐	X	☐
h. Lock-out, lock changing service, rekeying	X	X	☐	X	☐
i. Grounds maintenance and landscaping	X	X	☐	X	☐
j. Janitorial/cleaning and maintenance of common areas	X	X	☐	X	☐
k. Trash removal from designated locations	X	X	☐	X	☐
l. Janitorial/cleaning within tenant's space, including trash removal	X	X	☐	X	☐
m. Emergency janitorial clean-ups	X	X	☐	X	☐
n. Washing exterior windows	X	X	☐	X	☐
o. Pest control	X	X	☐	X	☐
p. Provision of parking spaces	X	X	☐	X	☐

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5. Please indicate whether the property owner provides any of the following amenities to its tenants by checking the "Amenity Provided" box. Check the "Customary" box if the amenity is usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located.

	Amenity Provided	Customary
a. Fitness center, health club	X	☐
b. Locker facilities, showers	X	☐
b. Towels	☐	☐
c. Other recreational facilities	☐	☐
d. Conference room, board room	☐	☐
e. Coin-operated vending machines (through a lease/license with a vendor)	☐	☐
f. ATM (through a lease/license with a vendor)	☐	☐
g. Pay telephone (through a lease/license with a vendor)	☐	☐
h. Shoe shine booth (through a lease/license with a vendor)	☐	☐
i. Mail and express mail drop boxes	X	X
j. Loading dock	X	X
k. Rooftop and other space for placement of tenant antennae or other equipment	X	☐
l. Dry cleaning drop-off & pick-up location	☐	☐
m. CPR training, blood drives	☐	☐
n. Seasonal/holiday parties, events, displays	X	X

If any services are provided in connection with the amenities (other than electricity and general maintenance and cleaning of the area where an amenity is located), please explain. Also indicate whether these services are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located. (Note: fitness centers and other recreational facilities are addressed in more detail in a following question.) _____

_____

_____

_____

_____

_____

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6. Please indicate whether the property owner provides any of the following courtesies to its tenants by checking the "Courtesy Provided" box. Check the "Customary" box if the courtesy is usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located.

	Courtesy Provided	Customary
a. Fax, copier	☐	☐
b. Loaning of jumper cables	☐	☐
c. Loaning of umbrellas	☐	☐
d. Notary public	☐	☐
e. Loaning of tools	☐	☐
f. Distribution of promotional materials for third party	☐	☐

If any special services are provided in connection with the courtesies, please explain. Also indicate whether any special services are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located. N/A_____
_____
_____
_____
_____
_____

7. Does the property owner provide janitorial and cleaning services within the tenant's leased space (e.g., sweeping/vacuuming floors, cleaning bathrooms, emptying trashcans, etc.)?

YES X NO ☐ (If "yes", answer the remaining questions)

Are the janitorial and cleaning services of a kind that are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

Does the property owner contract with a cleaning company to provide the janitorial and cleaning services or do property employees provide such services? If provided by a cleaning company, please indicate the company's name. Yes, ABLE Janitorial Services

8. Does the property owner provide security services at the property?

YES X NO ☐ (If yes, answer the remaining questions)

Are the security services (including duties of the security personnel) of a kind that are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

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Are the security services provided for the general property, and not include specialized security services for a particular tenant? YES X NO ☐

9. Does the property owner provide parking spaces to its tenants (other than by net leasing the parking facilities to an unrelated person, who in turn, operates the parking facilities as part of its own business)?

YES X NO ☐ (If "yes", answer the remaining questions)

Check the box or boxes that describe the parking facilities (check more than one box if applicable):

- ☐ Open lot or garage (circle one) with no gated entry
- X Open lot or garage (circle one) with gated entry
- ☐ Open lot or garage (circle one) with gated entry and cashier / parking attendant on duty
- X Reserved parking
- X Public parking available for an hourly, daily or monthly charge

Are the parking facilities located in or adjacent to the property and are the parking facilities appropriate in size for the number of tenants and their guests, customers, and subtenants who are expected to use the facilities? YES X NO ☐

Does the property owner provide any services in connection with the parking facilities (other than maintenance, repair, and lighting of the facilities)? YES X NO ☐

If "yes", please explain. Car wash on-site 2 days per week. Operated by independent contractor.

Are the services provided in connection with the parking facilities of a kind that are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

Do tenants make separate payments for the use of parking spaces? YES X NO ☐

Are certain parking spaces reserved for use by particular tenants? YES X NO ☐

If "yes", are recurring functions unique to the reserved parking spaces (other than assigning and marking such spaces), such as towing illegally parked cars, performed by an independent contractor? YES X NO ☐

Are parking attendants provided at the parking facilities to facilitate parking by the general public for a parking fee? YES ☐ NO X

If "yes", are the parking attendants employed by an independent contractor who operates the parking facilities under a management agreement with the property owner? YES ☐ NO ☐

Are the services provided by the independent contractor usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

If the independent contractor provides any services (other than maintenance, repairs, and cleaning of the parking facilities; collecting parking fees; parking cars to achieve the maximum capacity of the parking facility or for reasons of safety or security) please describe (e.g., indicate if the independent contractor provides for or arranges automobile detailing, washing, oil changes and repairs etc.). The independent contractor (ABM Parking) negotiates for off-site and event parking._____

Are these additional services provided by the independent contractor usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

10. **Does the property owner provide any services within the tenant's leased space (other than janitorial and cleaning, overhead light bulb replacement, lock out / lock changing, and maintenance and repair of building systems which are addressed in previous questions)? For example, does the owner offer "handyman" type of services where a tenant can request that miscellaneous services be performed at an hourly rate or at cost-plus mark-up or other arrangement?**

YES ☐ NO X (If yes, answer the remaining questions)

Please describe the nature of the services provided, the billing arrangement and whether employees or independent contractors provide the services. _____

Are each of these services of a kind that are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES X NO ☐

11. **Does the property owner arrange for the construction of capital improvements (i.e., leasehold improvements) to a tenant's leased space pursuant to a tenant's specifications?**

YES X NO ☐ (If "yes", answer the remaining questions.)

Are the owner's activities, as well as the activities of any independent contractor hired by the owner, of a type usually and customarily furnished, rendered, or arranged for by landlords in connection with the ownership, operation, and leasing of space in similar class properties located in the same geographic market where the property is located?
YES X NO ☐

Are the owner's activities limited to arranging, supervising, and coordinating the construction project, and do independent contractors perform all actual physical construction?
YES X NO ☐

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Does the owner receive any fees (e.g., supervisory fees) in connection with arranging for the construction of capital improvements? YES X NO ☐

If "yes", please explain the nature of the fees. Construction management fees of 3% are charged by the 3rd party property management company per the agreed upon Property management
contract._____
_____
_____
_____

Doe the owner participate in construction of tenant improvements at times other than in connection with the inception of a new lease or lease renewal? YES ☐ NO X
If "yes", please explain. _____
_____
_____
_____
_____
_____

12. **Has the property owner entered into agreements (generally a license or lease agreement) with telecommunication providers that permit the providers to wire the building and provide telecommunication services (e.g., telephone, cable, internet, data transmission, etc.) to tenants pursuant to which the property owner receives fees, or does the owner otherwise directly provide telecommunication services (specify which applies)?**

YES X NO ☐ (If "yes", answer the remaining questions)

If the owner directly provides telecommunication services to its tenants, please explain the arrangement. Phone / data / internet / telecommunications through AT&T or Level 3 Communications, LLC_____
_____
_____

Are the telecommunications services offered to the tenants of the type usually and customarily offered or provided to tenants of similar class properties located in the same geographic market in which the property is located?
YES ☐ NO ☐

13. **Does the property owner provide any "concierge" services (e.g., ordering food, running errands, making restaurant reservations, ordering theatre tickets, picking up dry cleaning, etc.) to the tenants?**

YES ☒ **NO** If "yes", please describe the type of concierge services provided and by whom (employees or independent contractor). _____

_____
_____
_____
_____

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Are each of the concierge services of the type usually and customarily offered or provided to tenants of similar class properties located in the same geographic market in which the property is located? YES ☐ NO ☐

Please provide (i) the estimated annual amount of income received or earned by the property owner that is attributable to the concierge services provided (e.g., any separate charge received by the owner for such service, or the amount of rents received by the property owner that is attributable to such service) and (ii) the estimated annual amount of direct costs incurred by the property owner in providing the concierge services. ____

14. Does the property owner provide a fitness center or other recreational facilities at the property?

YES X NO ☐

If "yes", please describe the type of fitness center or other recreational facilities provided at the property (e.g., fitness center, gym, basketball court, etc.). Small workout facility located on 2nd floor of parking structure with showers, lockers and restrooms.

Are the recreational facilities and equipment provided therein of the type usually and customarily offered or provided to tenants of similar class properties located in the same geographic market in which the property is located? YES X NO ☐

Do tenants pay a fee to use the facility or is the facility open to non-tenants for a fee? YES ☐ NO X

If "yes", please describe.

Does the property owner provide any services in connection with the facilities (other than electricity, lighting, and cleaning and maintenance) including for example, any attendants on site proving fitness instruction or other services? YES ☐ NO X

If "yes", please describe.

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Are these additional services of a type usually and customarily offered or provided to tenants of similar office properties located in the same geographic markets where the properties are located? YES ☐ NO X

Please provide (i) the estimated annual amount of income received or earned by the property owner that is attributable to these additional services provided (e.g., any separate charge received by the owner for such service, or the amount of rents received by the property owner that is attributable to such service) and (ii) the estimated annual amount of direct costs incurred by the property owner in providing these additional services. _____

15. **Does the property owner lease/license other areas of the property (e.g., space for storage, rooftop space for compressors/antennas, or floor space for vending machines)?**

YES X NO ☐

If "yes", please describe and indicate whether any services are provided (other than electricity, and general cleaning and maintenance of the area in the case of floor or rooftop space). Eight (8) storage units leased on lower level of parking garage. Two (2) tenant satellite dishes on rooftop._____

Are all these additional services of the type usually and customarily offered or provided to tenants of similar class properties located in the same geographic market in which the property is located? YES ☐ NO X

16. **Are there any services, amenities, or courtesies provided to tenants that are not of a kind usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located ("noncustomary services") and that have not been identified in previous questions.**

YES ☐ NO X

If "yes", please describe. _____

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_____

_____

For each noncustomary service, please provide (i) the estimated annual amount of income received or earned by the property owner that is attributable to the noncustomary service (e.g., any separate charge received by the owner for such service, or the amount of rents received by the property owner that is attributable to such service) and (ii) the estimated annual amount of direct costs incurred by the property owner in providing the noncustomary service. Also provide the estimated annual gross revenue derived at the property. _____

_____

_____

_____

_____

_____

17. Does the property owner provide any of the services listed below?

YES ☐ NO X (If "yes", please circle the services provided.)

- Provision of food service (e.g., including a cafeteria) either directly or through a management agreement with a food service provider
- Transportation services, shuttle bus
- Day care or health care services
- Full service conference center services
- Secretarial services
- Real estate brokerage
- Pick-up, shipping of goods, logistics
- Interior design & decorating
- Plant care/watering within tenant's space
- Specialty security for a particular tenant (e.g., escorts for terminated employees)
- Specialty cleaning for a particular tenant
- Assisting tenant in move-in/move-out
- Coffee butler services
- Automobile detailing, washing
- Automobile oil change and repairs,

If the property owner provides any of these services, and the services have not been reported as "noncustomary" services in Question #16, please describe details associated with the service, and provide (i) the estimated annual amount of income received or earned by the property owner that is attributable to the noncustomary service (e.g., the separate charge received by the owner for such service, or the amount of rents received by the property owner that is attributable to such service) and (ii) the estimated annual amount of direct costs incurred by the property owner in providing the noncustomary service. Also provide the estimated annual gross revenue derived at the property. ____

_____

_____

_____

_____

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18. **Are there any other services, amenities, or courtesies offered or provided to tenants which have not been covered or identified in the previous questions?**

YES ☐ NO X

If "yes", please describe and indicate whether each service, amenity, or courtesy is usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located. _____

19. **Does the property owner have a below fair market lease with any tenant (e.g., a restaurant, cafeteria, or health club tenant) at the property that is intended to subsidize the provision of that tenant's services to other tenants at the property, or does the owner actually pay any subsidy to a tenant?**

YES X NO ☐

If "yes", please describe. Temporary six (6) month license agreement with food operator in on-site café space on 1st floor of office building._____

20. **Are there any leases/licenses of property involving a term of less than 30 days?**

YES X NO ☐

If "yes", please describe. Tenant, Gate Gourmet leases Suite 1080 (2,633 sf) with expiration date of 2/28/17. Tenant relocating to a different city at expiration of lease term._____

21. **Are you aware of any lease agreement with terms that are not usual, ordinary, and customary?**

YES ☐ NO X

If "yes", please describe. _____

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22. **In cases where the property owner offers or provides any services by contracting with an independent contractor to provide such services, does the property owner receive or derive any income from the independent contractor – e.g., through the receipt of interest from a loan to such independent contractor, dividends from an investment in such contractor, rents from leasing space to such contractor, etc.? [Please consider whether a parking company that has been engaged to operate a parking facility is paying rents to the owner under a lease of a parking facility or other space at another property.]**

YES ☐ NO X

If "yes", please describe _____

23. **In cases where the property owner offers or provides any services by contracting with an independent contractor to provide such service, does the property owner have any ownership interest in such independent contractor, or does the independent contractor have an ownership interest in the property owner, or are you aware of any other related-party ownership between the property owner and the independent contractor?**

YES ☐ NO X

If "yes", please describe. _____

24. **Does the property owner receive a fee, commission, incentive payments, or any other type of payment from any independent contractor that is providing services to the tenants?**

YES ☐ NO X

If "yes", please describe. _____

Are the services that are provided by the independent contractor of a kind that are usually and customarily offered or provided to tenants of similar class properties in the same geographic market in which the property is located? YES ☐ NO ☐

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25. Does the property owner receive any amounts for selling any goods or services (other than tenant services addressed in the preceding questions) to its tenants or other parties?

YES ☐ NO X

If "yes", please describe. _____

_____

_____

_____

_____

_____

26. Does the property owner receive management fees for providing services to properties that are not owned by the property owner or properties that are only partially owned (e.g., through a partnership) by the property owner?

YES ☐ NO X

If "yes", please describe. _____

_____

_____

_____

_____

_____

27. Are you aware of any other sources of property income not identified through the previous questions (e.g., referral fees from 3rd parties, advertising income, etc.)?

YES ☐ NO X

If "yes", please describe. _____

_____

_____

_____

_____

_____

28. Has the property owner made any loans to a tenant, vendor, or other parties or otherwise received a promissory note?

YES ☐ NO X

If "yes", please describe _____

_____

_____

_____

_____

_____

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Rent Roll
Grand Avenue Courtyard (f0902401)
As of 01/17/2017
Report Created Jan 17 2017 3:52PM

Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Base Rent Monthly	Base Rent Annualized	Base Rent Per SF/Year	Base Rent % Rent Bump	Base Rent Rolling 12 Months	Base Rent Per SF/Year	CAM Monthly	CAM Per SF/Year	Real Estate Tax Monthly	Real Estate Tax Per SF/Year	Insurance Monthly	Insurance Per SF/Year	Utilities Monthly	Utilities Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Gross Rent Monthly	Gross Rent Per SF/Year
f0902401 - Vacant																									
Vacant (Future tenant exists)		**120**																			-	**0.00%**	**0.89%**		
2,257																									
Vacant		**300**																			-	**0.00%**	**1.56%**		
3,989																									
Vacant		**320**																			-	**0.00%**	**1.51%**		
3,840																									
Vacant		**710**																			-	**0.00%**	**0.92%**		
2,353																									
Vacant		**720**																			-	**0.00%**	**0.91%**		
2,316																									
Vacant (Future tenant exists)		**730**																			-	**0.00%**	**0.96%**		
2,458																									
Vacant		**740**																			-	**0.00%**	**0.52%**		
1,327																									
Vacant		**800**																			-	**0.00%**	**1.62%**		
4,131																									
f0902401 - Current																									
Russell A. Farrow (U.S.) Inc. (t0079426)				**3/1/2012**	**7/31/2017**		**7,977.04**	**95,724.48**	**30.39**		**52,887.77**	**31.09**	**222.73**	**0.85**	**99.69**	**0.38**	-	-	-	-	**9,037.99 S**	**0.00%**	**1.24%**	**8,299.46**	**31.62**
3,150																									
	Base Rent	100	3,150	3/1/2016	2/28/2017	O	7,977.04	95,724.48	30.39		11,806.02														
		100	3,150	3/1/2017	7/31/2017	O	8,216.35	98,596.20	31.30	3.00%	41,081.75														
Columbus Technologies (t0070234)				**8/1/2011**	**3/31/2018**		**25,226.04**	**302,712.48**	**30.60**		**306,889.91**	**31.03**	**761.09**	**0.92**	-	-	-	-	-	-	**28,581.10 S**	**0.00%**	**3.88%**	**25,987.13**	**31.53**
9,891																									
	Base Rent	1000	9,891	8/1/2016	7/31/2017	O	25,226.04	302,712.48	30.60		163,464.74														
		1000	9,891	8/1/2017	3/31/2018	O	25,982.82	311,793.84	31.52	3.00%	143,425.17														
Avasant, LLC (t0081494)				**9/1/2016**	**2/28/2021**		**16,326.65**	**195,919.80**	**31.80**		**198,030.56**	**32.14**	**10.95**	**0.02**	**3.41**	**0.01**	-	-	-	-	**20,213.37 S**	**0.00%**	**2.42%**	**16,341.01**	**31.83**
6,161																									
	Base Rent	1050	4,586	11/1/2016	10/31/2017	Ren	12,152.90	145,834.80	31.80		115,209.49														
		1050	4,586	11/1/2017	10/31/2018	Ren	12,517.49	150,209.88	32.75	3.00%	31,544.07														
		1050	4,586	11/1/2018	10/31/2019	Ren	12,893.01	154,716.12	33.74	3.00%	-														
		1050	4,586	11/1/2019	10/31/2020	Ren	13,279.80	159,357.60	34.75	3.00%	-														
		1050	4,586	11/1/2020	2/28/2021	Ren	13,678.20	164,138.40	35.79	3.00%	-														
	Base Rent	1090	1,575	4/1/2016	3/31/2017	E	4,173.75	50,085.00	31.80		10,350.90														
		1090	1,575	4/1/2017	3/31/2018	E	4,298.96	51,587.52	32.75	3.00%	40,926.10														
		1090	1,575	4/1/2018	3/31/2019	E	4,427.93	53,135.16	33.74	3.00%	-														
		1090	1,575	4/1/2019	3/31/2020	E	4,560.77	54,729.24	34.75	3.00%	-														
		1090	1,575	4/1/2020	2/28/2021	E	4,697.59	56,371.08	35.79	3.00%	-														
Sysense Incorporated (t0063130)				**11/1/2009**	**10/31/2019**		**8,848.88**	**106,186.56**	**29.45**		**106,688.29**	**29.59**	-	-	-	-	-	-	-	-	**9,251.56 S**	**0.00%**	**1.41%**	**8,848.88**	**29.45**
3,606																									
	Base Rent	1070	3,606	11/1/2016	10/31/2017	O	8,848.88	106,186.56	29.45		83,887.38														
		1070	3,606	11/1/2017	10/31/2018	O	9,047.98	108,575.76	30.11	2.25%	22,800.91														
		1070	3,606	11/1/2018	10/31/2019	O	9,251.56	111,018.72	30.79	2.25%	-														
Gate Gourmet Inc. (t0069781)				**6/15/2011**	**2/28/2017**		**6,867.83**	**82,413.96**	**31.30**		**10,164.39**	**31.30**	**202.60**	**0.92**	-	-	-	-	-	-	**7,554.61 S**	**0.00%**	**1.03%**	**7,070.43**	**32.22**
2,633																									
	Base Rent	1080	2,633	7/1/2016	2/28/2017	O	6,867.83	82,413.96	31.30		10,164.39														
Sun Life Financial (U.S.) Services Company, Inc. (t0063133)				**1/1/2014**	**6/30/2019**		**13,588.88**	**163,066.56**	**29.50**		**163,278.55**	**29.54**	-	-	**61.87**	**0.13**	-	-	-	-	-	**0.00%**	**2.17%**	**13,650.75**	**29.64**
5,527																									
	Base Rent	1100	5,527	1/1/2017	12/31/2017	Ren	13,588.88	163,066.56	29.50		156,000.34														
		1100	5,527	1/1/2018	12/31/2018	Ren	13,996.55	167,958.60	30.39	3.00%	7,278.21														
		1100	5,527	1/1/2019	6/30/2019	Ren	14,416.44	172,997.28	31.30	3.00%	-														
Davis Managment Office (t0063547)				**10/1/2016**	**9/30/2017**																-	**0.00%**	**0.74%**		
1,882																									
GSA - GS-09B-02790 (t0063208)				**8/27/2012**	**8/26/2022**		**15,931.01**	**191,172.12**	**36.02**		**198,127.72**	**37.33**	-	-	-	-	-	-	-	-	-	**0.00%**	**2.08%**	**15,931.01**	**36.02**
5,308																									

Rent Roll
Grand Avenue Courtyard (f0902401)
As of 01/17/2017
Report Created Jan 17 2017 3:52PM

	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					Gross Rent	
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Monthly	Per SF/Year
	Base Rent	1160	5,308	8/27/2013	8/26/2017	Ren	15,931.01	191,172.12	36.02		116,614.99														
		1160	5,308	8/27/2017	8/26/2020	Ren	17,417.25	209,007.00	39.38	9.33%	81,512.73														
		1160	5,308	8/27/2020	8/26/2022	Ren	16,344.22	196,130.64	36.95	-6.16%	-														
David Reimann (t0063118)				**4/21/2015**	**9/30/2020**		**2,922.63**	**35,071.56**	**30.90**		**35,818.51**	**31.56**	**-**	**-**	**6.25**	**0.07**	**-**	**-**	**-**	**-**	**3,618.38 S**	**0.00%**	**0.45%**	**2,928.88**	**30.97**
1,135																									
	Base Rent	1165	1,135	5/1/2016	4/30/2017	Ren	2,922.63	35,071.56	30.90		10,170.75														
		1165	1,135	5/1/2017	4/30/2018	Ren	3,010.30	36,123.60	31.83	3.00%	25,647.76														
		1165	1,135	5/1/2018	4/30/2019	Ren	3,100.61	37,207.32	32.78	3.00%	-														
		1165	1,135	5/1/2019	4/30/2020	Ren	3,193.63	38,323.56	33.77	3.00%	-														
		1165	1,135	5/1/2020	9/30/2020	Ren	3,289.44	39,473.28	34.78	3.00%	-														
Beacon Hill Staffing Group, LLC (t0100401)				**11/1/2013**	**3/31/2019**		**8,426.23**	**101,114.76**	**29.77**		**101,751.77**	**29.95**	**302.08**	**1.07**	**213.97**	**0.76**	**-**	**-**	**-**	**-**	**9,833.31 S**	**0.00%**	**1.33%**	**8,942.28**	**31.59**
3,397																									
	Base Rent	1170	3,397	11/1/2016	10/31/2017	O	8,426.23	101,114.76	29.77		79,880.66														
		1170	3,397	11/1/2017	10/31/2018	O	8,679.01	104,148.12	30.66	3.00%	21,871.11														
		1170	3,397	11/1/2018	3/31/2019	O	8,939.38	107,272.56	31.58	3.00%	-														
Outsource, LLC (t0109388)				**6/1/2015**	**11/30/2020**		**29,147.34**	**349,768.08**	**29.14**		**355,924.72**	**29.66**	**69.36**	**0.07**	**99.36**	**0.10**	**-**	**-**	**-**	**-**	**36,086.15 S**	**0.00%**	**4.71%**	**29,316.06**	**29.31**
12,001																									
	Base Rent	150	5,851	7/1/2016	6/30/2017	O	13,966.48	167,597.76	28.64		76,536.31														
		150	5,851	7/1/2017	6/30/2018	O	14,385.48	172,625.76	29.50	3.00%	93,793.33														
		150	5,851	7/1/2018	6/30/2019	O	14,817.04	177,804.48	30.39	3.00%	-														
		150	5,851	7/1/2019	6/30/2020	O	15,261.55	183,138.60	31.30	3.00%	-														
		150	5,851	7/1/2020	11/30/2020	O	15,719.40	188,632.80	32.24	3.00%	-														
	Base Rent	150A	1,096	6/1/2016	5/31/2017	E	2,427.09	29,125.08	26.57		10,873.36														
		150A	1,096	6/1/2017	5/31/2018	E	2,499.90	29,998.80	27.37	3.00%	18,799.25														
		150A	1,096	6/1/2018	5/31/2019	E	2,574.90	30,898.80	28.19	3.00%	-														
		150A	1,096	6/1/2019	5/31/2020	E	2,652.15	31,825.80	29.04	3.00%	-														
		150A	1,096	6/1/2020	11/30/2020	E	2,731.71	32,780.52	29.91	3.00%	-														
	Base Rent	1180	5,054	6/1/2016	5/31/2017	E	12,753.77	153,045.24	30.28		57,136.89														
		1180	5,054	6/1/2017	5/31/2018	E	13,136.38	157,636.56	31.19	3.00%	98,785.58														
		1180	5,054	6/1/2018	5/31/2019	E	13,530.47	162,365.64	32.13	3.00%	-														
		1180	5,054	6/1/2019	5/31/2020	E	13,936.39	167,236.68	33.09	3.00%	-														
		1180	5,054	6/1/2020	11/30/2020	E	14,354.48	172,253.76	34.08	3.00%	-														
Grandpoint Bank (t0063589)				**12/1/2010**	**11/30/2017**		**12,731.95**	**152,783.40**	**32.96**		**133,430.83**	**32.96**	**140.59**	**0.36**	**99.58**	**0.26**	**-**	**-**	**-**	**-**	**14,053.00 S**	**0.00%**	**1.82%**	**12,972.12**	**33.58**
4,636																									
	Base Rent	1200	3,055	11/1/2016	11/30/2017	O	8,390.01	100,680.12	32.96		87,927.30														
	Base Rent	1200A	1,581	12/1/2016	11/30/2017	E	4,341.94	52,103.28	32.96		45,503.53														
Waxler Carner Brodsky, LLP (t0063173)				**10/1/2011**	**3/31/2017**		**19,674.91**	**236,098.92**	**31.30**		**48,793.78**	**31.30**	**772.07**	**1.23**	**-**	**-**	**-**	**-**	**-**	**-**	**16,217.45 S**	**0.00%**	**2.96%**	**20,446.98**	**32.53**
7,543																									
	Base Rent	1210	7,543	10/1/2016	3/31/2017	Ren	19,674.91	236,098.92	31.30		48,793.78														
Donahue & Horrow, LLP (t0063121)				**10/1/2015**	**10/31/2017**		**5,984.30**	**71,811.60**	**30.90**		**56,910.69**	**31.00**	**237.88**	**1.23**	**-**	**-**	**-**	**-**	**-**	**-**	**6,780.21 S**	**0.00%**	**0.91%**	**6,222.18**	**32.13**
2,324																									
	Base Rent	1215	2,324	10/1/2016	9/30/2017	Ren	5,984.30	71,811.60	30.90		50,746.86														
		1215	2,324	10/1/2017	10/31/2017	Ren	6,163.83	73,965.96	31.83	3.00%	6,163.83														
Judge and Judge, CPA (t0117570)				**12/1/2014**	**11/30/2020**		**5,265.46**	**63,185.52**	**29.92**		**63,425.62**	**30.03**	**23.82**	**0.14**	**11.63**	**0.07**	**-**	**-**	**-**	**-**	**6,329.08 S**	**0.00%**	**0.83%**	**5,300.91**	**30.12**
2,112																									
	Base Rent	1225	2,112	12/1/2016	11/30/2017	O	5,265.46	63,185.52	29.92		55,182.02														
		1225	2,112	12/1/2017	11/30/2018	O	5,423.42	65,081.04	30.81	3.00%	8,243.60														
		1225	2,112	12/1/2018	11/30/2019	O	5,586.13	67,033.56	31.74	3.00%	-														
		1225	2,112	12/1/2019	11/30/2020	O	5,753.71	69,044.52	32.69	3.00%	-														
PinPoint Resource Group, LLC (t0063139)				**8/1/2014**	**6/30/2019**		**13,127.58**	**157,530.96**	**29.28**		**159,704.85**	**29.68**	**-**	**-**	**60.22**	**0.13**	**-**	**-**	**-**	**-**	**15,319.76 S**	**0.00%**	**2.11%**	**13,187.80**	**29.42**
5,380																									
	Base Rent	1260	5,380	8/1/2016	7/31/2017	Ren	13,127.58	157,530.96	29.28		85,066.72														
		1260	5,380	8/1/2017	7/31/2018	Ren	13,521.40	162,256.80	30.16	3.00%	74,638.13														
		1260	5,380	8/1/2018	6/30/2019	Ren	13,927.05	167,124.60	31.06	3.00%	-														
Epson Electronics America, Inc. (t0063182)				**4/1/2013**	**9/30/2018**		**22,887.44**	**274,649.28**	**29.50**		**281,185.90**	**30.21**	**1,414.14**	**1.82**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.00%**	**3.65%**	**24,301.58**	**31.33**
9,309																									
	Base Rent	200	9,309	4/1/2016	3/31/2017	Ren	22,887.44	274,649.28	29.50		56,760.85														
		200	9,309	4/1/2017	3/31/2018	Ren	23,574.06	282,888.72	30.39	3.00%	224,425.05														
		200	9,309	4/1/2018	9/30/2018	Ren	24,281.28	291,375.36	31.30	3.00%	-														
CorAmerica Capital, LLC (t0063112)				**11/1/2016**	**1/31/2020**		**-**	**-**	**-**		**94,903.02**	**32.47**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**9,837.64 S**	**0.00%**	**1.15%**	**-**	**-**

Rent Roll
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	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					Gross Rent	
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Monthly	Per SF/Year
2,923																									
	Base Rent	240	2,923	11/1/2016	10/31/2017	Ren	8,184.40	98,212.80	33.60		77,588.11														
		240	2,923	11/1/2017	10/31/2018	Ren	8,429.93	101,159.16	34.61	3.00%	21,243.42														
		240	2,923	11/1/2018	10/31/2019	Ren	8,682.83	104,193.96	35.65	3.00%	-														
		240	2,923	11/1/2019	1/31/2020	Ren	8,943.31	107,319.72	36.72	3.00%	-														
	Free Rent Credit 3.0m	240	2,923	11/1/2016	1/31/2017	Ren	(8,184.40)		(33.60)		(3,928.51)														
Riester Pacific, Inc. (t0063167)				**2/1/2016**	**1/31/2017**		**5,958.90**	**71,506.80**	**32.40**		**2,860.27**	**32.40**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,012.52 S**	**0.00%**	**0.87%**	**5,958.90**	**32.40**
2,207																									
	Base Rent	260	2,207	2/1/2016	1/31/2017	Ren	5,958.90	71,506.80	32.40		2,860.27														
CyberCity 3D, Inc. (t0119410)				**1/1/2015**	**5/31/2020**		**7,033.45**	**84,401.40**	**31.19**		**84,511.12**	**31.23**	**30.52**	**0.14**	**14.90**	**0.07**	**-**	**-**	**-**	**-**	**14,930.09 S**	**0.00%**	**1.06%**	**7,078.87**	**31.39**
2,706																									
	Base Rent	280	2,706	1/1/2017	12/31/2017	O	7,033.45	84,401.40	31.19		80,744.01														
		280	2,706	1/1/2018	12/31/2018	O	7,244.45	86,933.40	32.13	3.00%	3,767.11														
		280	2,706	1/1/2019	12/31/2019	O	7,461.79	89,541.48	33.09	3.00%	-														
		280	2,706	1/1/2020	5/31/2020	O	7,685.64	92,227.68	34.08	3.00%	-														
	Security Deposit Comm / Res	280	2,706	1/1/2017	1/31/2017	O	(7,033.45)	(84,401.40)	(31.19)		-														
		280	2,706	1/1/2018	1/31/2018	O	(7,244.45)	(86,933.40)	(32.13)	3.00%	-														
Vast Communications, LLC (t0125188)				**6/1/2015**	**7/31/2020**		**9,306.05**	**111,672.60**	**32.14**		**113,772.03**	**32.74**	**39.19**	**0.14**	**19.14**	**0.07**	**-**	**-**	**-**	**-**	**11,521.44 S**	**0.00%**	**1.36%**	**9,364.38**	**32.34**
3,475																									
	Base Rent	290	3,475	6/1/2016	5/31/2017	O	9,306.05	111,672.60	32.14		41,691.10														
		290	3,475	6/1/2017	5/31/2018	O	9,585.23	115,022.76	33.10	3.00%	72,080.93														
		290	3,475	6/1/2018	5/31/2019	O	9,872.79	118,473.48	34.09	3.00%	-														
		290	3,475	6/1/2019	5/31/2020	O	10,168.97	122,027.64	35.12	3.00%	-														
		290	3,475	6/1/2020	7/31/2020	O	10,474.04	125,688.48	36.17	3.00%	-														
Kathleen D. Crane (t0145160)				**8/1/2016**	**11/30/2021**		**4,727.25**	**56,727.00**	**33.00**		**57,509.85**	**33.46**	**11.95**	**0.08**	**3.72**	**0.03**	**-**	**-**	**-**	**-**	**6,028.20 S**	**0.00%**	**0.67%**	**4,742.92**	**33.11**
1,719																									
	Base Rent	330	1,719	8/1/2016	7/31/2017	O	4,727.25	56,727.00	33.00		30,632.58														
		330	1,719	8/1/2017	7/31/2018	O	4,869.07	58,428.84	33.99	3.00%	26,877.27														
		330	1,719	8/1/2018	7/31/2019	O	5,015.14	60,181.68	35.01	3.00%	-														
		330	1,719	8/1/2019	7/31/2020	O	5,165.59	61,987.08	36.06	3.00%	-														
		330	1,719	8/1/2020	7/31/2021	O	5,320.56	63,846.72	37.14	3.00%	-														
		330	1,719	8/1/2021	11/30/2021	O	5,480.18	65,762.16	38.26	3.00%	-														
Lucix Corporation (t0063144)				**6/1/2014**	**9/30/2017**		**10,394.70**	**124,736.40**	**29.28**		**89,394.42**	**29.70**	**-**	**-**	**47.68**	**0.13**	**-**	**-**	**-**	**-**	**10,939.29 S**	**0.00%**	**1.67%**	**10,442.38**	**29.42**
4,260																									
	Base Rent	350	4,260	6/1/2016	5/31/2017	Ren	10,394.70	124,736.40	29.28		46,568.26														
		350	4,260	6/1/2017	9/30/2017	Ren	10,706.54	128,478.48	30.16	3.00%	42,826.16														
Pro Access L.L.C. (t0078861)				**1/1/2012**	**6/30/2017**		**9,802.24**	**117,626.88**	**31.29**		**53,716.28**	**31.29**	**265.79**	**0.85**	**118.96**	**0.38**	**-**	**-**	**-**	**-**	**10,782.46 S**	**0.00%**	**1.47%**	**10,186.99**	**32.52**
3,759																									
	Base Rent	370	3,759	1/1/2017	6/30/2017	O	9,802.24	117,626.88	31.29		53,716.28														
Baywood Management (t0144760)				**6/1/2016**	**9/30/2021**		**5,888.70**	**70,664.40**	**32.40**		**71,992.89**	**33.01**	**15.17**	**0.08**	**4.73**	**0.03**	**-**	**-**	**-**	**-**	**7,509.28 S**	**0.00%**	**0.86%**	**5,908.60**	**32.51**
2,181																									
	Base Rent	380	2,181	6/1/2016	5/31/2017	O	5,888.70	70,664.40	32.40		26,381.38														
		380	2,181	6/1/2017	5/31/2018	O	6,065.36	72,784.32	33.37	3.00%	45,611.51														
		380	2,181	6/1/2018	5/31/2019	O	6,247.32	74,967.84	34.37	3.00%	-														
		380	2,181	6/1/2019	5/31/2020	O	6,434.74	77,216.88	35.40	3.00%	-														
		380	2,181	6/1/2020	5/31/2021	O	6,627.78	79,533.36	36.47	3.00%	-														
		380	2,181	6/1/2021	9/30/2021	O	6,826.62	81,919.44	37.56	3.00%	-														
The Canadian Group (t0147456)				**12/1/2016**	**2/28/2022**		**-**	**-**	**-**		**80,921.93**	**31.70**	**17.76**	**0.08**	**5.53**	**0.03**	**-**	**-**	**-**	**-**	**53,273.28 S**	**0.00%**	**1.00%**	**23.29**	**0.11**
2,553																									
	Base Rent	390	2,553	12/1/2016	11/30/2017	O	7,659.00	91,908.00	36.00		80,266.32														
		390	2,553	12/1/2017	11/30/2018	O	7,888.77	94,665.24	37.08	3.00%	11,990.93														
		390	2,553	12/1/2018	11/30/2019	O	8,125.43	97,505.16	38.19	3.00%	-														
		390	2,553	12/1/2019	11/30/2020	O	8,369.20	100,430.40	39.34	3.00%	-														
		390	2,553	12/1/2020	11/30/2021	O	8,620.27	103,443.24	40.52	3.00%	-														
		390	2,553	12/1/2021	2/28/2022	O	8,878.88	106,546.56	41.73	3.00%	-														
	Free Rent Credit 3.0m	390	2,553	12/1/2016	2/28/2017	O	(7,659.00)		(36.00)		(11,335.32)														
	Security Deposit Comm / Res	390	2,553	12/1/2017	12/31/2017	O	(7,888.77)	(94,665.24)	(37.08)		-														
		390	2,553	12/1/2018	12/31/2018	O	(8,125.43)	(97,505.16)	(38.19)	3.00%	-														
		390	2,553	12/1/2019	12/31/2019	O	(8,369.20)	(100,430.40)	(39.34)	3.00%	-														
		390	2,553	12/1/2020	12/31/2020	O	(8,620.27)	(103,443.24)	(40.52)	3.00%	-														

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	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					Gross Rent	
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Monthly	Per SF/Year
	TI Receivable	390	2,553	12/1/2016	4/30/2017	O	10,000.00	120,000.00	47.00		-														
		390	2,553	5/1/2017	5/31/2017	O	9,279.79	111,357.48	43.62	-7.20%	-														
Weston & McElvain LLP (t0142812)				**3/1/2016**	**6/30/2021**		**14,617.40**	**175,408.80**	**31.80**		**180,022.03**	**32.64**	**38.36**	**0.08**	**11.95**	**0.03**	**-**	**-**	**-**	**-**	**50,836.57 S**	**0.00%**	**2.16%**	**14,667.71**	**31.91**
5,516																									
	Base Rent	400	5,516	3/1/2016	2/28/2017	O	14,617.40	175,408.80	31.80		21,633.75														
		400	5,516	3/1/2017	2/28/2018	O	15,055.92	180,671.04	32.75	3.00%	158,388.28														
		400	5,516	3/1/2018	2/28/2019	O	15,507.60	186,091.20	33.74	3.00%	-														
		400	5,516	3/1/2019	2/29/2020	O	15,972.83	191,673.96	34.75	3.00%	-														
		400	5,516	3/1/2020	2/28/2021	O	16,452.01	197,424.12	35.79	3.00%	-														
		400	5,516	3/1/2021	6/30/2021	O	16,945.57	203,346.84	36.86	3.00%	-														
Geoffrey M. Bremer (t0063136)				**8/1/2015**	**10/31/2021**		**9,514.93**	**114,179.16**	**32.14**		**115,754.85**	**32.58**	**-**	**-**	**19.57**	**0.07**	**-**	**-**	**-**	**-**	**12,133.46 S**	**0.00%**	**1.39%**	**9,534.50**	**32.20**
3,553																									
	Base Rent	410	3,553	8/1/2016	7/31/2017	Ren	9,514.93	114,179.16	32.14		61,656.75														
		410	3,553	8/1/2017	7/31/2018	Ren	9,800.38	117,604.56	33.10	3.00%	54,098.10														
		410	3,553	8/1/2018	7/31/2019	Ren	10,094.39	121,132.68	34.09	3.00%	-														
		410	3,553	8/1/2019	7/31/2020	Ren	10,397.22	124,766.64	35.12	3.00%	-														
		410	3,553	8/1/2020	7/31/2021	Ren	10,709.14	128,509.68	36.17	3.00%	-														
		410	3,553	8/1/2021	10/31/2021	Ren	11,030.42	132,365.04	37.25	3.00%	-														
Bruce Banghart, Inc. (t0115559)				**8/1/2014**	**7/31/2018**		**11,171.65**	**134,059.80**	**29.92**		**151,544.67**	**33.82**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**12,228.82 S**	**0.00%**	**1.76%**	**11,171.65**	**29.92**
4,481																									
	Base Rent	420	4,481	8/1/2016	7/31/2017	O	11,171.65	134,059.80	29.92		72,392.29														
	Base Rent	420	4,481	8/1/2017	7/31/2018	Ren	14,339.20	172,070.40	38.40		79,152.38														
Euro Pacific Capital, Inc. (t0115562)				**10/1/2014**	**11/30/2017**		**3,462.94**	**41,555.28**	**29.92**		**36,499.37**	**30.09**	**-**	**-**	**15.55**	**0.13**	**-**	**-**	**-**	**-**	**3,923.50 S**	**0.00%**	**0.54%**	**3,478.49**	**30.05**
1,389																									
	Base Rent	425	1,389	10/1/2016	9/30/2017	O	3,462.94	41,555.28	29.92		29,365.73														
		425	1,389	10/1/2017	11/30/2017	O	3,566.82	42,801.84	30.81	3.00%	7,133.64														
AWR Corporation (t0063134)				**11/1/2016**	**1/31/2022**		**-**	**-**	**-**		**197,167.16**	**28.61**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**14,473.20 S**	**0.00%**	**2.70%**	**-**	**-**
6,892																									
	Base Rent	430	6,892	11/1/2016	10/31/2017	Ren	18,608.40	223,300.80	32.40		176,407.63														
		430	6,892	11/1/2017	10/31/2018	Ren	19,166.65	229,999.80	33.37	3.00%	48,299.96														
		430	6,892	11/1/2018	10/31/2019	Ren	19,741.65	236,899.80	34.37	3.00%	-														
		430	6,892	11/1/2019	10/31/2020	Ren	20,333.90	244,006.80	35.40	3.00%	-														
		430	6,892	11/1/2020	10/31/2021	Ren	20,943.92	251,327.04	36.47	3.00%	-														
		430	6,892	11/1/2021	1/31/2022	Ren	21,572.24	258,866.88	37.56	3.00%	-														
	Free Rent Credit 4.0m	430	6,892	11/1/2016	2/28/2017	Ren	(18,608.40)		(32.40)		(27,540.43)														
Ace Metrix, Inc. (t0073325)				**11/1/2016**	**1/31/2020**		**-**	**-**	**-**		**217,411.03**	**28.11**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**23,240.66 S**	**0.00%**	**3.03%**	**-**	**-**
7,734																									
	Base Rent	500, 510	7,734	11/1/2016	10/31/2017	Ren	21,268.50	255,222.00	33.00		201,625.38														
		500, 510	7,734	11/1/2017	10/31/2018	Ren	21,906.56	262,878.72	33.99	3.00%	55,204.53														
		500, 510	7,734	11/1/2018	10/31/2019	Ren	22,563.75	270,765.00	35.01	3.00%	-														
		500, 510	7,734	11/1/2019	1/31/2020	Ren	23,240.66	278,887.92	36.06	3.00%	-														
	Free Rent Credit 4.0m	500, 510	7,734	11/1/2016	2/28/2017	Ren	(21,268.50)		(33.00)		(31,477.38)														
	Free Rent Credit 1.0m	500, 510	7,734	3/1/2017	3/31/2017	Ren	(7,941.50)		(12.32)	-62.66%	(7,941.50)														
Liberty Electronic Payment Services, Inc. (t0063147)				**7/1/2015**	**9/30/2018**		**3,065.28**	**36,783.36**	**29.66**		**37,382.93**	**30.15**	**20.81**	**0.20**	**-**	**-**	**-**	**-**	**-**	**-**	**3,577.16 S**	**0.00%**	**0.49%**	**3,086.09**	**29.87**
1,240																									
	Base Rent	520	1,240	7/1/2016	6/30/2017	Ren	3,065.28	36,783.36	29.66		16,797.73														
		520	1,240	7/1/2017	6/30/2018	Ren	3,157.24	37,886.88	30.55	3.00%	20,585.20														
		520	1,240	7/1/2018	9/30/2018	Ren	3,251.96	39,023.52	31.47	3.00%	-														
LATAM Airlines Group S.A. (t0063148)				**4/1/2014**	**6/30/2019**		**4,315.74**	**51,788.88**	**28.64**		**53,021.44**	**29.33**	**-**	**-**	**20.24**	**0.13**	**-**	**-**	**-**	**-**	**9,431.86 S**	**0.00%**	**0.71%**	**4,335.98**	**28.78**
1,808																									
	Base Rent	530	1,808	4/1/2016	3/31/2017	Ren	4,315.74	51,788.88	28.64		10,703.04														
		530	1,808	4/1/2017	3/31/2018	Ren	4,445.21	53,342.52	29.50	3.00%	42,318.40														
		530	1,808	4/1/2018	3/31/2019	Ren	4,578.57	54,942.84	30.39	3.00%	-														
		530	1,808	4/1/2019	6/30/2019	Ren	4,715.93	56,591.16	31.30	3.00%	-														
Cathay Pacific Airways Ltd. (t0063131)				**8/1/2015**	**9/30/2020**		**4,071.08**	**48,852.96**	**30.90**		**49,527.12**	**31.33**	**17.83**	**0.14**	**8.71**	**0.07**	**-**	**-**	**-**	**-**	**5,040.23 S**	**0.00%**	**0.62%**	**4,097.62**	**31.10**
1,581																									
	Base Rent	540	1,581	8/1/2016	7/31/2017	Ren	4,071.08	48,852.96	30.90		26,380.60														
		540	1,581	8/1/2017	7/31/2018	Ren	4,193.21	50,318.52	31.83	3.00%	23,146.52														
		540	1,581	8/1/2018	7/31/2019	Ren	4,319.00	51,828.00	32.78	3.00%	-														
		540	1,581	8/1/2019	7/31/2020	Ren	4,448.57	53,382.84	33.77	3.00%	-														
		540	1,581	8/1/2020	9/30/2020	Ren	4,582.03	54,984.36	34.78	3.00%	-														

Rent Roll
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	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					Gross Rent	
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Monthly	Per SF/Year
ATA Engineering, Inc. (t0063143)				**2/1/2015**	**3/31/2020**		**7,424.14**	**89,089.68**	**30.28**		**91,655.42**	**31.15**	**-**	**-**	**16.20**	**0.07**	**-**	**-**	**-**	**-**	**-**	**0.00%**	**1.15%**	**7,440.34**	**30.35**
2,942																									
	Base Rent	560	2,942	2/1/2016	1/31/2017	Ren	7,424.14	89,089.68	30.28		3,563.59														
		560	2,942	2/1/2017	1/31/2018	Ren	7,646.86	91,762.32	31.19	3.00%	88,091.83														
		560	2,942	2/1/2018	1/31/2019	Ren	7,876.27	94,515.24	32.13	3.00%	-														
		560	2,942	2/1/2019	1/31/2020	Ren	8,112.50	97,350.00	33.09	3.00%	-														
		560	2,942	2/1/2020	3/31/2020	Ren	8,355.93	100,271.16	34.08	3.00%	-														
The Eventive Group (t0111504)				**6/1/2014**	**8/31/2018**		**2,825.60**	**33,907.20**	**29.28**		**34,544.67**	**29.83**	**-**	**-**	**12.96**	**0.13**	**-**	**-**	**-**	**-**	**7,336.60 S**	**0.00%**	**0.45%**	**2,838.56**	**29.42**
1,158																									
	Base Rent	570	1,158	6/1/2016	5/31/2017	O	2,825.60	33,907.20	29.28		12,658.69														
		570	1,158	6/1/2017	5/31/2018	O	2,910.37	34,924.44	30.16	3.00%	21,885.98														
		570	1,158	6/1/2018	8/31/2018	O	2,997.68	35,972.16	31.06	3.00%	-														
McCloskey, Waring & Waisman LLP (t0063165)				**4/1/2015**	**5/31/2018**		**3,628.79**	**43,545.48**	**30.28**		**44,581.92**	**31.00**	**147.19**	**1.23**	**-**	**-**	**-**	**-**	**-**	**-**	**4,234.77 S**	**0.00%**	**0.56%**	**3,775.98**	**31.51**
1,438																									
	Base Rent	580	1,438	4/1/2016	3/31/2017	Ren	3,628.79	43,545.48	30.28		8,999.40														
		580	1,438	4/1/2017	3/31/2018	Ren	3,737.66	44,851.92	31.19	3.00%	35,582.52														
		580	1,438	4/1/2018	5/31/2018	Ren	3,849.79	46,197.48	32.13	3.00%	-														
Joseph J. Blake & Associates, Inc. (t0111286)				**7/1/2014**	**11/30/2019**		**6,533.29**	**78,399.48**	**28.64**		**79,677.40**	**29.11**	**-**	**-**	**30.64**	**0.13**	**-**	**-**	**-**	**-**	**7,853.01 S**	**0.00%**	**1.07%**	**6,563.93**	**28.78**
2,737																									
	Base Rent	585	2,737	7/1/2016	6/30/2017	O	6,533.29	78,399.48	28.64		35,802.43														
		585	2,737	7/1/2017	6/30/2018	O	6,729.29	80,751.48	29.50	3.00%	43,874.97														
		585	2,737	7/1/2018	6/30/2019	O	6,931.16	83,173.92	30.39	3.00%	-														
		585	2,737	7/1/2019	11/30/2019	O	7,139.10	85,669.20	31.30	3.00%	-														
Intercept Interactive Inc. (t0109818)				**6/1/2014**	**8/31/2017**		**4,268.96**	**51,227.52**	**32.46**		**32,316.00**	**32.85**	**-**	**-**	**17.66**	**0.13**	**-**	**-**	**-**	**-**	**4,836.72 S**	**0.00%**	**0.62%**	**4,286.62**	**32.60**
1,578																									
	Base Rent	590	1,578	6/1/2016	5/31/2017	O	4,268.96	51,227.52	32.46		19,124.94														
		590	1,578	6/1/2017	8/31/2017	O	4,397.02	52,764.24	33.44	3.00%	13,191.06														
Target Corporation (t0115696)				**9/22/2014**	**3/31/2020**		**55,601.45**	**667,217.40**	**29.92**		**673,088.89**	**30.18**	**251.51**	**0.14**	**122.82**	**0.07**	**-**	**-**	**-**	**-**	**29,671.10 S**	**0.00%**	**8.75%**	**55,975.78**	**30.12**
22,302																									
	Base Rent	600	12,626	10/1/2016	9/30/2017	O	31,478.07	377,736.84	29.92		266,934.03														
		600	12,626	10/1/2017	9/30/2018	O	32,422.41	389,068.92	30.81	3.00%	114,126.88														
		600	12,626	10/1/2018	9/30/2019	O	33,395.08	400,740.96	31.74	3.00%	-														
		600	12,626	10/1/2019	3/31/2020	O	34,396.94	412,763.28	32.69	3.00%	-														
	Base Rent	610	9,676	10/1/2016	9/30/2017	E	24,123.38	289,480.56	29.92		204,566.26														
		610	9,676	10/1/2017	9/30/2018	E	24,847.08	298,164.96	30.81	3.00%	87,461.72														
		610	9,676	10/1/2018	9/30/2019	E	25,592.49	307,109.88	31.74	3.00%	-														
		610	9,676	10/1/2019	3/31/2020	E	26,360.27	316,323.24	32.69	3.00%	-														
ClearFreight Inc. (t0146738)				**10/1/2016**	**7/31/2027**		**36,776.70**	**441,320.40**	**31.80**		**407,324.02**	**29.35**	**96.51**	**0.08**	**30.07**	**0.03**	**-**	**-**	**-**	**-**	**54,367.29 S**	**0.00%**	**5.44%**	**36,903.28**	**31.91**
13,878																									
	Base Rent	700	13,878	10/1/2016	9/30/2017	O	36,776.70	441,320.40	31.80		311,866.42														
		700	13,878	10/1/2017	9/30/2018	O	37,880.00	454,560.00	32.75	3.00%	133,337.60														
		700	13,878	10/1/2018	9/30/2019	O	39,016.40	468,196.80	33.74	3.00%	-														
		700	13,878	10/1/2019	9/30/2020	O	40,186.89	482,242.68	34.75	3.00%	-														
		700	13,878	10/1/2020	9/30/2021	O	41,392.50	496,710.00	35.79	3.00%	-														
		700	13,878	10/1/2021	9/30/2022	O	42,634.27	511,611.24	36.86	3.00%	-														
		700	13,878	10/1/2022	9/30/2023	O	43,913.30	526,959.60	37.97	3.00%	-														
		700	13,878	10/1/2023	9/30/2024	O	45,230.70	542,768.40	39.11	3.00%	-														
		700	13,878	10/1/2024	9/30/2025	O	46,587.62	559,051.44	40.28	3.00%	-														
		700	13,878	10/1/2025	9/30/2026	O	47,985.25	575,823.00	41.49	3.00%	-														
		700	13,878	10/1/2026	7/31/2027	O	49,424.81	593,097.72	42.74	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2017	10/31/2017	O	(37,880.00)		(32.75)		(37,880.00)														
	Free Rent Credit 1.0m	700	13,878	10/1/2018	10/31/2018	O	(39,016.40)		(33.74)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2019	10/31/2019	O	(40,186.89)		(34.75)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2020	10/31/2020	O	(41,392.50)		(35.79)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2021	10/31/2021	O	(42,634.27)		(36.86)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2022	10/31/2022	O	(43,913.30)		(37.97)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2023	10/31/2023	O	(45,230.70)		(39.11)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2024	10/31/2024	O	(46,587.62)		(40.28)	3.00%	-														
	Free Rent Credit 1.0m	700	13,878	10/1/2025	10/31/2025	O	(47,985.25)		(41.49)	3.00%	-														
Union of American Physicians and Dentists (t0140766)				**1/1/2016**	**5/31/2021**		**10,841.57**	**130,098.84**	**32.75**		**130,267.97**	**32.80**	**27.62**	**0.08**	**8.61**	**0.03**	**-**	**-**	**-**	**-**	**13,422.52 S**	**0.00%**	**1.56%**	**10,877.80**	**32.86**
3,972																									
	Base Rent	810	3,972	1/1/2017	12/31/2017	O	10,841.57	130,098.84	32.75		124,461.22														
		810	3,972	1/1/2018	12/31/2018	O	11,166.82	134,001.84	33.74	3.00%	5,806.75														

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	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					Gross Rent	
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Monthly	Per SF/Year
		810	3,972	1/1/2019	12/31/2019	O	11,501.83	138,021.96	34.75	3.00%	-														
		810	3,972	1/1/2020	12/31/2020	O	11,846.88	142,162.56	35.79	3.00%	-														
		810	3,972	1/1/2021	5/31/2021	O	12,202.29	146,427.48	36.86	3.00%	-														
TGA Franchise Sports Holdings, LLC (t0145000)				**6/1/2016**	**8/31/2021**		**8,106.35**	**97,276.20**	**31.80**		**99,104.99**	**32.40**	**21.27**	**0.08**	**6.63**	**0.03**	**-**	**-**	**-**	**-**	**10,337.23 S**	**0.00%**	**1.20%**	**8,134.25**	**31.91**
3,059																									
	Base Rent	811	3,059	6/1/2016	5/31/2017	O	8,106.35	97,276.20	31.80		36,316.45														
		811	3,059	6/1/2017	5/31/2018	O	8,349.54	100,194.48	32.75	3.00%	62,788.54														
		811	3,059	6/1/2018	5/31/2019	O	8,600.03	103,200.36	33.74	3.00%	-														
		811	3,059	6/1/2019	5/31/2020	O	8,858.03	106,296.36	34.75	3.00%	-														
		811	3,059	6/1/2020	5/31/2021	O	9,123.77	109,485.24	35.79	3.00%	-														
		811	3,059	6/1/2021	8/31/2021	O	9,397.48	112,769.76	36.86	3.00%	-														
Hughes Design Group (t0145963)				**8/1/2016**	**10/31/2021**		**7,936.50**	**95,238.00**	**33.00**		**96,552.31**	**33.46**	**20.07**	**0.08**	**6.25**	**0.03**	**-**	**-**	**-**	**-**	**10,120.64 S**	**0.00%**	**1.13%**	**7,962.82**	**33.11**
2,886																									
	Base Rent	825	2,886	8/1/2016	7/31/2017	O	7,936.50	95,238.00	33.00		51,428.52														
		825	2,886	8/1/2017	7/31/2018	O	8,174.60	98,095.20	33.99	3.00%	45,123.79														
		825	2,886	8/1/2018	7/31/2019	O	8,419.83	101,037.96	35.01	3.00%	-														
		825	2,886	8/1/2019	7/31/2020	O	8,672.43	104,069.16	36.06	3.00%	-														
		825	2,886	8/1/2020	7/31/2021	O	8,932.60	107,191.20	37.14	3.00%	-														
		825	2,886	8/1/2021	10/31/2021	O	9,200.58	110,406.96	38.26	3.00%	-														
Strategy Advantage, Inc. (t0145964)				**7/16/2016**	**7/31/2019**		**3,745.30**	**44,943.60**	**40.20**		**45,563.82**	**40.75**	**7.77**	**0.08**	**2.42**	**0.03**	**-**	**-**	**-**	**-**	**4,370.73 S**	**0.00%**	**0.44%**	**3,755.49**	**40.31**
1,118																									
	Base Rent	830	1,118	7/16/2016	7/31/2017	O	3,745.30	44,943.60	40.20		24,269.54														
		830	1,118	8/1/2017	7/31/2018	O	3,857.66	46,291.92	41.41	3.00%	21,294.28														
		830	1,118	8/1/2018	7/31/2019	O	3,973.39	47,680.68	42.65	3.00%	-														
Pragmatic Business Services U.S. Corporation (t0143723)				**5/1/2016**	**7/31/2021**		**5,443.10**	**65,317.20**	**31.80**		**66,708.43**	**32.48**	**14.28**	**0.08**	**4.45**	**0.03**	**-**	**-**	**-**	**-**	**6,941.04 S**	**0.00%**	**0.81%**	**5,461.83**	**31.91**
2,054																									
	Base Rent	840	2,054	5/1/2016	4/30/2017	O	5,443.10	65,317.20	31.80		18,941.99														
		840	2,054	5/1/2017	4/30/2018	O	5,606.39	67,276.68	32.75	3.00%	47,766.44														
		840	2,054	5/1/2018	4/30/2019	O	5,774.58	69,294.96	33.74	3.00%	-														
		840	2,054	5/1/2019	4/30/2020	O	5,947.82	71,373.84	34.75	3.00%	-														
		840	2,054	5/1/2020	4/30/2021	O	6,126.26	73,515.12	35.79	3.00%	-														
		840	2,054	5/1/2021	7/31/2021	O	6,310.04	75,720.48	36.86	3.00%	-														
Litili LLC (t0142588)				**2/1/2016**	**4/30/2021**		**4,248.75**	**50,985.00**	**33.00**		**52,453.34**	**33.95**	**128.93**	**1.00**	**40.16**	**0.31**	**-**	**-**	**-**	**-**	**5,418.02 S**	**0.00%**	**0.61%**	**4,417.84**	**34.31**
1,545																									
	Base Rent	850	1,545	2/1/2016	1/31/2017	O	4,248.75	50,985.00	33.00		2,039.40														
		850	1,545	2/1/2017	1/31/2018	O	4,376.21	52,514.52	33.99	3.00%	50,413.94														
		850	1,545	2/1/2018	1/31/2019	O	4,507.50	54,090.00	35.01	3.00%	-														
		850	1,545	2/1/2019	1/31/2020	O	4,642.72	55,712.64	36.06	3.00%	-														
		850	1,545	2/1/2020	1/31/2021	O	4,782.01	57,384.12	37.14	3.00%	-														
		850	1,545	2/1/2021	4/30/2021	O	4,925.47	59,105.64	38.26	3.00%	-														
Nikkei America, Inc. (t0064614)				**2/1/2016**	**1/31/2021**		**3,113.10**	**37,357.20**	**32.40**		**38,433.05**	**31.61**	**-**	**-**	**2.50**	**0.03**	**-**	**-**	**-**	**-**	**4,259.59 S**	**0.00%**	**0.45%**	**3,115.60**	**32.43**
1,153																									
	Base Rent	860	2,728	2/1/2016	1/31/2017	Rel	3,113.10	37,357.20	13.69		1,494.29														
		860	1,153	2/1/2017	1/31/2018	Rel	3,206.49	38,477.88	33.37	3.00%	36,938.76														
		860	1,153	2/1/2018	1/31/2019	Rel	3,302.69	39,632.28	34.37	3.00%	-														
		860	1,153	2/1/2019	1/31/2020	Rel	3,401.77	40,821.24	35.40	3.00%	-														
		860	1,153	2/1/2020	1/31/2021	Rel	3,503.82	42,045.84	36.47	3.00%	-														
Innovative Computing Systems, Inc. (t0145003)				**5/1/2016**	**8/31/2020**		**6,748.50**	**80,982.00**	**33.00**		**82,706.96**	**33.70**	**17.07**	**0.08**	**5.32**	**0.03**	**-**	**-**	**-**	**-**	**8,355.05 S**	**0.00%**	**0.96%**	**6,770.89**	**33.11**
2,454																									
	Base Rent	870	2,454	5/1/2016	4/30/2017	O	6,748.50	80,982.00	33.00		23,484.78														
		870	2,454	5/1/2017	4/30/2018	O	6,950.96	83,411.52	33.99	3.00%	59,222.18														
		870	2,454	5/1/2018	4/30/2019	O	7,159.48	85,913.76	35.01	3.00%	-														
		870	2,454	5/1/2019	4/30/2020	O	7,374.27	88,491.24	36.06	3.00%	-														
		870	2,454	5/1/2020	8/31/2020	O	7,595.50	91,146.00	37.14	3.00%	-														
Wyle Laboratories, Inc. (t0063160)				**6/15/2012**	**6/30/2017**		**27,789.49**	**333,473.88**	**29.71**		**152,286.41**	**29.71**	**1,148.74**	**1.23**	**-**	**-**	**-**	**-**	**-**	**-**	**20,393.40 S**	**0.00%**	**4.40%**	**28,938.23**	**30.94**
11,223																									
	Base Rent	900	11,223	7/1/2016	6/30/2017	Ren	27,789.49	333,473.88	29.71		152,286.41														
Nevelex Corporation (t0140727)				**9/15/2015**	**9/30/2018**		**10,406.50**	**124,878.00**	**33.37**		**125,976.94**	**33.67**	**42.20**	**0.14**	**20.61**	**0.07**	**-**	**-**	**-**	**-**	**11,790.57 S**	**0.00%**	**1.47%**	**10,469.31**	**33.57**
3,742																									
	Base Rent	920	3,742	10/1/2016	9/30/2017	O	10,406.50	124,878.00	33.37		88,247.12														
		920	3,742	10/1/2017	9/30/2018	O	10,718.70	128,624.40	34.37	3.00%	37,729.82														
KPG Healthcare LLC (t0140858)				**10/1/2015**	**12/31/2020**		**18,893.29**	**226,719.48**	**32.14**		**228,714.61**	**32.42**	**79.56**	**0.14**	**38.85**	**0.07**	**-**	**-**	**-**	**-**	**23,391.02 S**	**0.00%**	**2.77%**	**19,011.70**	**32.34**
7,055																									

Rent Roll
Grand Avenue Courtyard (f0902401)
As of 01/17/2017
Report Created Jan 17 2017 3:52PM

	Lease Charges						Base Rent						CAM		Real Estate Tax		Insurance		Utilities					
Square Feet	Charge Type	Unit(s)	Square Feet	Start Date	End Date	Amend Type	Monthly	Annualized	Per SF/Year	% Rent Bump	Rolling 12 Months	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit Letter of Credit	Fixed Pro Rata Share	Percent Occupancy	Gross Rent Monthly	Gross Rent Per SF/Year
	Base Rent	940	2,869	10/1/2016	9/30/2017	O	7,683.18	92,198.16	32.14		65,153.37														
		940	2,869	10/1/2017	9/30/2018	O	7,913.68	94,964.16	33.10	3.00%	27,856.15														
		940	2,869	10/1/2018	9/30/2019	O	8,151.09	97,813.08	34.09	3.00%	-														
		940	2,869	10/1/2019	9/30/2020	O	8,395.62	100,747.44	35.12	3.00%	-														
		940	2,869	10/1/2020	12/31/2020	O	8,647.49	103,769.88	36.17	3.00%	-														
	Base Rent	950	4,186	10/1/2016	9/30/2017	E	11,210.11	134,521.32	32.14		95,061.73														
		950	4,186	10/1/2017	9/30/2018	E	11,546.41	138,556.92	33.10	3.00%	40,643.36														
		950	4,186	10/1/2018	9/30/2019	E	11,892.80	142,713.60	34.09	3.00%	-														
		950	4,186	10/1/2019	9/30/2020	E	12,249.59	146,995.08	35.12	3.00%	-														
		950	4,186	10/1/2020	12/31/2020	E	12,617.07	151,404.84	36.17	3.00%	-														
tw telecom of california l.p. (t0093464)				**3/1/2013**	**2/28/2018**		**-**	**-**			**-**		**-**		**-**		**-**		**100.00**		**-**	**0.00%**	**0.00%**	**100.00**	
-																									
f0902401 - Future																									
Fooda, Inc. (t0150271)				**2/1/2017**	**7/31/2017**																**-**	**0.00%**	**0.89%**		
2,257																									
Schaefer Trans., Inc. (t0147847)				**4/1/2017**	**6/30/2022**						**49,681.10**	**25.48**									**9,716.78 S**	**0.00%**	**0.96%**		
2,458																									
	Base Rent	730	2,458	4/1/2017	3/31/2018	O	7,619.80	91,437.60	37.20		72,540.50														
		730	2,458	4/1/2018	3/31/2019	O	7,848.39	94,180.68	38.32	3.00%	-														
		730	2,458	4/1/2019	3/31/2020	O	8,083.85	97,006.20	39.47	3.00%	-														
		730	2,458	4/1/2020	3/31/2021	O	8,326.36	99,916.32	40.65	3.00%	-														
		730	2,458	4/1/2021	3/31/2022	O	8,576.15	102,913.80	41.87	3.00%	-														
		730	2,458	4/1/2022	6/30/2022	O	8,833.44	106,001.28	43.13	3.00%	-														
	Free Rent Credit 3.0m	730	2,458	4/1/2017	6/30/2017	O	(7,619.80)		(37.20)		(22,859.40)														
f0902401 - Total - Base Rent							**598,316.16**				**6,635,527.06**														
f0902401 - Total - Free Rent Credit							**(55,720.30)**				**(142,962.54)**														
f0902401 - Total							**542,595.86**				**6,492,564.52**	**31.02**	**6,617.41**	**0.34**	**1,312.81**	**0.07**	**-**	**-**	**100.00**	**0.01**	**651,520.71 S**			**550,626.08**	**28.45**
																					33,891.00 LOC				

	Physical Occupancy					Leased Occupancy				
	Total	Occupied	%	Vacant	%	Total	Leased	%	Available	%
Units	69	61	88.41%	8	11.59%	69	63	91.30%	6	8.70%
Square Feet	254,937	232,266	91.11%	22,671	8.89%	254,937	236,981	92.96%	17,956	7.04%

APPENDIX D

PROFESSIONAL QUALIFICATIONS

EBI Consulting
environmental | engineering | due diligence

Debra Bechtold
Senior Scientist
Los Angeles, CA
Office: 562.907.8148

SUMMARY OF EXPERIENCE

Ms. Bechtold is a senior scientist with over 20 years of professional due diligence experience. She has been involved in all aspects of performing phase i environmental assessments. She has experience in all phases of environmental assessments and remedial action including soil and groundwater characterization, remedial action plans, remediation oversight and UST investigations and removals. She has extensive experience in facilities-related services including asbestos and lead-based paint surveys, and radon testing.

Ms. Bechtold she has completed projects for commercial, financial, industrial, telecommunications and real estate management firms as well as for local and state governmental clients.

RELEVANT PROJECT EXPERIENCE

Ms. Bechtold performed and managed over 300 phase i environmental site assessment projects on industrial, commercial, residential, agricultural and undeveloped properties in connection with real estate transactions and telecommunications facilities. Duties included performing site and area reconnaissance, reviewing regulatory searches and researching site history, interviewing site managers/owner and identifying and evaluating potential environmental concerns.

Ms. Bechtold served as a project manager for the I-710 Brownfields study which consisted of 15 preliminary site assessments, 10 phase I environmental site assessments and an area study encompassing 14 city blocks consisting of over 200 parcels.

She has managed numerous subsurface investigations; including groundwater investigations, soil remediation projects involving soil excavation and disposal. Ms. Bechtold obtained regulatory closure for former gasoline service stations using natural attenuation modeling for impacted groundwater. She has directed the installation, operation and maintenance of soil vapor extraction remediation systems for sites impacted by volatile organic compounds (i.e., dry cleaners and industrial facilities).

EDUCATION

B.A., Geography, 1980, California State University – Long Beach

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Certificate in hazardous materials management, 1995,
OSHA/RCRA 40-hour hazardous waste operations and emergency response training
Asbestos Building Inspector, 40 CFR 763 sub e AHERA & TSCA Title II

Hallie A. Vitolo
Program Director
8119 Waterview Boulevard
Lakewood Ranch, FL 34202
Office/Mobile: 603.818.2750

SUMMARY OF EXPERIENCE

MS. VITOLO HAS OVER 25 YEARS OF EXPERIENCE IN THE ENVIRONMENTAL CONSULTING INDUSTRY. SHE HAS CONDUCTED NUMEROUS SITE ASSESSMENTS, EXTENSIVE SUBSURFACE INVESTIGATIONS AND REMEDIAL DESIGN AND INSTALLATION WORK ON BOTH OIL AND CHEMICAL WASTE SITES. HER WORK WITH STATE REGULATORY AGENCIES TO NEGOTIATE REASONABLE CLEANUP SOLUTIONS AND EXPERIENCE WITH ALTERNATIVE ENVIRONMENTAL INSURANCE COVERAGE HAS ENABLED MS. VITOLO TO ASSIST LARGE PORTFOLIO CLIENTS TO FIND WAYS TO BETTER ASSESS AND MINIMIZE LONG-TERM LIABILITY. SHE HAS PROVEN KNOWLEDGE OF REALISTIC REMEDIATION COSTS AND PERFORMANCE BASED ON MANY YEARS WORK AS AN ENVIRONMENTAL CONSTRUCTION PROJECT MANAGER.

MS. VITOLO HAS WORKED IN THE DUE DILIGENCE INDUSTRY FOR OVER 10 YEARS AND HAS CONDUCTED TECHNICAL REVIEW OF THOUSANDS OF PHASE I ENVIRONMENTAL SITE ASSESSMENTS THROUGHOUT THE UNITED STATES. SHE HAS WORKED WITH NUMEROUS WALL STREET LENDING INSTITUTIONS, LEGAL COUNSEL AND GOVERNMENT AGENCIES TO DEVELOP STRATEGIES FOR MANAGING ENVIRONMENTAL LIABILITY IN THE REAL ESTATE INDUSTRY.

RELEVANT PROJECT EXPERIENCE

ENVIRONMENTAL SITE ASSESSMENTS: MS. VITOLO HAS CONDUCTED TECHNICAL REVIEW OF THOUSANDS OF ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENTS FOR INDUSTRIAL, COMMERCIAL, RETAIL, HEALTHCARE, RAW LAND, MULTI-FAMILY RESIDENTIAL PROPERTIES AND TELECOMMUNICATION SITES. SHE IS FAMILIAR WITH FANNIE MAE, FREDDIE MAC, SBA, FDIC AND NUMEROUS LENDER-SPECIFIC REQUIREMENTS.

SUBSURFACE INVESTIGATIONS: MS. VITOLO HAS COMPLETED SUBSURFACE INVESTIGATIONS AT COMMERCIAL PROPERTIES ACROSS THE UNITED STATES. SHE HAS OVERSEEN DRILLING ACTIVITIES, BORING INSTALLATION, SOIL AND GROUNDWATER SAMPLING, REMEDIAL PILOT STUDIES, TANK REMOVALS, CONTAMINATED SOIL REMOVAL PROJECTS AND REMEDIAL SYSTEM INSTALLATIONS. SHE HAS WORKED WITH REGULATORY AGENCIES TO EVALUATE REMEDIAL STRATEGIES AND RISK AND HAS SUCCESSFULLY CLOSED NUMEROUS SITES.

EDUCATION

B.S. BIOLOGY BUCKNELL UNIVERSITY, LEWISBURG, PENNSYLVANIA

PROFESSIONAL AFFILIATIONS

ASTM ENVIORNMENTAL ASSESSMENT, RISK MANAGEMENT AND CORRECTIVE ACTION COMMITTEE MEMBER

APPENDIX E

REGULATORY DATABASE REPORT

Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, CA 90245

Inquiry Number: 04842909.1r
February 01, 2017

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

COORDINATES

Latitude (North):	33.9193230 - 33° 55' 9.56''
Longitude (West):	118.3933500 - 118° 23' 36.06''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371197.9
UTM Y (Meters):	3753890.5
Elevation:	115 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TISHMAN SPEYER PROPE	1960 E GRAND AVE	CA HAZNET		TP
A2	COMMONWEALTH GRAND A	1960 E GRAND AVE	CA HAZNET		TP
A3	REALITY ASSOCIATES F	1960 E GRAND AVE	CA HAZNET		TP
A4	TEAM ONE ADVERTISING	1960 E GRAND AVE 7TH	CA HAZNET		TP
A5	TEAM ONE ADVERTISING	1960 EAST GRAND AVE	RCRA-SQG, FINDS, ECHO		TP
B6	GLOBAL SOLUTIONS	1955 GRAND AVE	CA RGA LUST	Higher	150, 0.028, NNE
B7	UNITED AIRLINES	1955 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	150, 0.028, NNE
B8	GLOBAL SOLUTIONS	1955 GRAND AVE	CA LUST	Higher	150, 0.028, NNE
B9	MATTEL INC	1955 E GRAND AVE	RCRA-SQG, CA LUST, FINDS, CA EMI, CA HIST CORTESE,...	Higher	150, 0.028, NNE
C10	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA RGA LUST	Higher	440, 0.083, East
C11	HUGHES AIRCRAFT CO C	1990 GRAND AVE	CA RGA LUST	Higher	440, 0.083, East
D12		222 N SEPULVEDA BLVD	EDR Hist Cleaner	Lower	478, 0.091, WSW
D13		222 N SEPULVEDA BLVD	EDR Hist Auto	Lower	478, 0.091, WSW
E14	MATTEL, INC.	333 N. CONTINENTAL B	CA UST	Higher	595, 0.113, NE
E15		333 CONTINENTAL BLV	EDR Hist Auto	Higher	595, 0.113, NE
E16	MATTEL, INC.	333 CONTINENTAL BLVD	CA AST, CA EMI	Higher	595, 0.113, NE
17	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA LUST, CA SWEEPS UST, CA HIST CORTESE	Higher	596, 0.113, East
18	PACIFIC BUILDING MGM	222 N SEPULVEDA BLVD	CA SWEEPS UST, CA EMI	Lower	673, 0.127, SW
19		SEPULVEDA & GRAND	CA CHMIRS	Lower	785, 0.149, West
F20	MATTEL TOYS INC	335 CONTINENTAL BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	808, 0.153, ENE
G21	PACIFIC CORPORATE TO	222 N. SEPULVEDA BL.	CA UST	Lower	831, 0.157, WSW
G22	PACIFIC CORPORATE TO	100 N. SEPULVEDA BL.	CA UST	Lower	831, 0.157, WSW
G23	PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	CA AST	Lower	831, 0.157, WSW
G24	PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	CA SWEEPS UST	Lower	836, 0.158, WSW
G25	HUGHES AIRCRAFT CO S	200 N SEPULVEDA BLVD	RCRA-SQG, FINDS, ECHO	Lower	836, 0.158, WSW
G26		200 N SEPULVEDA BLVD	EDR Hist Auto	Lower	836, 0.158, WSW
G27	CETERA FINANCIAL GRO	200 N SEPULVEDA BLVD	CA AST	Lower	836, 0.158, WSW
G28	ING	200 N SEPULVEDA BLVD	CA AST	Lower	836, 0.158, WSW
F29		300 NO. CONTINENTAL	CA CHMIRS	Higher	860, 0.163, ENE
30	JIM & JACK AUTO BODY	307 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE	Lower	938, 0.178, WNW
H31	XEROX CORPORATION	1990 XEROX CENTER DR	CA UST	Higher	939, 0.178, SE
I32	COMPUTER SCIENCES CO	2100 E. GRAND AVE.	CA UST	Higher	952, 0.180, ESE
I33	COMPUTER SCIENCES CO	2100 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	952, 0.180, ESE
J34	HUGHES AIRCRAFT CO E	360 N. SEPULVEDA BLV	RCRA-SQG, FINDS, ECHO	Higher	961, 0.182, WNW
J35	LAX BUSINESS CENTER	360 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	961, 0.182, WNW
J36		360 N SEPULVEDA	CA CHMIRS	Higher	961, 0.182, WNW
J37		360 N SEPULVEDA BLVD	EDR Hist Auto	Higher	961, 0.182, WNW
K38	HAGOP KIZIRIAN	307 N SEPULVEDA BLVD	CA HIST UST	Lower	966, 0.183, West
K39	KEVORK TEXACO	307 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	966, 0.183, West

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40		307 N SEPULVEDA BLVD	EDR Hist Auto	Lower	966, 0.183, West
J41	LAX BUSINESS CENTER	300 360 AND 390 N SE	CA HIST UST	Higher	998, 0.189, NW
42	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	RCRA-SQG, FINDS, ECHO	Higher	1020, 0.193, North
43		100 N SEPULVEDA BLVD	EDR Hist Cleaner	Lower	1037, 0.196, SW
H44	XEROX CORP	101 CONTINENTAL	CA SWEEPS UST, CA HAZNET, CA LOS ANGELES CO. HMS	Higher	1061, 0.201, SE
H45	101 CONTINENTIAL PAR	101 CONTINENTAL BOUL	CA UST	Higher	1061, 0.201, SE
L46	ANODIZING INC	400 N CONTINENTAL BL	CA AST, CA HAZNET	Higher	1069, 0.202, NE
L47	SAPA ANODIZING INC	400 N CONTINENTAL BL	RCRA-SQG, FINDS, ECHO	Higher	1069, 0.202, NE
L48		400 CONTINENTAL BLV	EDR Hist Cleaner	Higher	1069, 0.202, NE
49	WALGREENS #9882	331 N SEPULVEDA BLVD	RCRA-CESQG	Lower	1110, 0.210, WNW
M50	RAYTHEON COMPANY	2000 E. EL SEGUNDO B	CA UST	Higher	1113, 0.211, South
M51	RAYTHEON CO	2000 E EL SEGUNDO BL	CA ENVIROSTOR, CA CHMIRS, CA NPDES	Higher	1113, 0.211, South
M52		2000 BLOCK E. EL SEG	CA AST, CA CHMIRS	Higher	1113, 0.211, South
M53	BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	CA AST	Higher	1113, 0.211, South
M54	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA LUST, CA HIST CORTESE	Higher	1113, 0.211, South
M55	RAYTHEON SYSTEMS COM	2000 E. EL SEGUNDO B	CA UST	Higher	1113, 0.211, South
M56		2000 EAST EL SEGUNDO	CA CHMIRS	Higher	1113, 0.211, South
N57	HUGHES AIRCRAFT CO E	2000 E EL SEGUNDO BL	CA SWEEPS UST, CA CHMIRS, CA Financial Assurance,...	Higher	1380, 0.261, SE
N58	RAYTHEON COMPANY	2000 E. EL SEGUNDO B	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	1380, 0.261, SE
N59	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1380, 0.261, SE
N60	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1380, 0.261, SE
N61	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1380, 0.261, SE
62	JOE BABB CHEVRON	101 S SEPULVEDA BLVD	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA LOS...	Lower	1388, 0.263, SW
O63	CITY OF EL SEGUNDO	150 ILLINOIS STREET	CA RGA LUST	Lower	1493, 0.283, West
O64	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA SWEEPS UST	Lower	1493, 0.283, West
O65	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA CHMIRS, CA HIST CORTESE	Lower	1493, 0.283, West
O66	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA RGA LUST	Lower	1493, 0.283, West
O67	A AND A WASTE ROLL	1700 EAST GRAND AVEN	CA RGA LF	Higher	1509, 0.286, West
O68	A AND A WASTE ROLL O	1700 EAST GRAND AVEN	CA RGA LF	Higher	1509, 0.286, West
P69	NORTHROP CORP-AIRCRA	2031 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1769, 0.335, NNE
P70	NORTHROP CORP AIRCRA	2031 E MARIPOSA AVE	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	1769, 0.335, NNE
P71	MATTEL TOYS INC	2031 MARIPOSA	RCRA-LQG, FINDS, CA HWP, CA NPDES, CA WDS, ECHO	Lower	1769, 0.335, NNE
72	WEST COAST BARRIER P	EL SEGUNDO BLVD	CA SLIC, CA CHMIRS, CA WDS	Lower	1843, 0.349, SW
Q73	ALLIED SALES & SALVA	160 S SEPULVEDA BLVD	SEMS-ARCHIVE	Lower	1875, 0.355, SSW
Q74	ALLIED SALES & SALVA	160 SEPULVEDA	CA ENVIROSTOR, CA HIST CORTESE	Lower	1875, 0.355, SSW
75	INERNATIONAL RECTIFI	1521 GRAND AVE	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SWEEPS UST, CA...	Higher	1955, 0.370, WNW
R76	AMPEX CORPORATION	200 N NASH ST	CA LUST, CA HIST UST, CA ENF, CA HIST CORTESE, CA...	Lower	1976, 0.374, ESE
R77	AMPEX CORPORATION SI	200 NASH ST N	CA RGA LUST	Lower	1976, 0.374, ESE
R78	AMPEX CORPORATION SI	198 NASH ST N	CA RGA LUST	Lower	1984, 0.376, ESE

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
S79	NORTHROP CORP/AIRCRA	2043 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1996, 0.378, NE
S80	NORTHROP CORP AIRCRA	2043 E MARIPOSA AVEN	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	1996, 0.378, NE
T81	UNITED AIRLINE FLIGH	444 NASH ST	CA RGA LUST	Lower	2002, 0.379, ENE
T82	UNITED AIRLINE FLIGH	444 NASH ST.	CA RGA LUST	Lower	2002, 0.379, ENE
T83	UNITED AIRLINE FLIGH	444 NASH ST	CA LUST	Lower	2027, 0.384, ENE
T84	T5 LOS ANGELES DATA	444 NORTH NASH STREE	CA LUST, CA SWEEPS UST, CA EMI, CA HIST CORTESE,...	Lower	2027, 0.384, ENE
85	UNOCAL #5866	603 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE	Higher	2067, 0.391, NNW
U86	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA RGA LUST	Lower	2203, 0.417, North
U87	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA LUST, CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	2239, 0.424, North
V88	INTERNATIONAL RECTIF	233 KANSAS ST.	CA RGA LUST	Higher	2242, 0.425, West
V89	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2242, 0.425, West
V90	INT RECTIFIER CORP E	233 KANSAS ST	CA ENVIROSTOR, CA LUST, CA SLIC, CA HIST CORTESE,...	Higher	2242, 0.425, West
V91	INTERNATIONAL RECTIF	233 KANSAS	CA SLIC	Higher	2242, 0.425, West
V92	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2242, 0.425, West
W93	DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	CA ENVIROSTOR	Higher	2254, 0.427, NNW
W94	DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	SEMS-ARCHIVE	Higher	2254, 0.427, NNW
95	HILTON GARDEN INN	MARIPOSA AVENUE AND	CA ENVIROSTOR, CA VCP	Lower	2392, 0.453, NE
X96	PILLACK PROPERTY	1410 GRAND AVE	CA LUST	Higher	2431, 0.460, West
X97	PILLACK PROPERTY	1410 GRAND	CA HIST CORTESE	Higher	2431, 0.460, West
Y98	RAYTHEON CO	2030 MAPLE AVENUE	CA ENVIROSTOR, CA HWP	Lower	2578, 0.488, NNE
Y99	HUGHES AIRCRAFT CO R	2060 E. IMPERIAL HWY	SEMS-ARCHIVE, RCRA-TSDF, RCRA-LQG, NY MANIFEST	Lower	2578, 0.488, NNE
100	FORMER NORTH AMERICA	400 DULEY ROAD	CA ENVIROSTOR, CA VCP, CA NPDES	Lower	2610, 0.494, ENE
101	1330 EAST FRANKLIN A	1330 EAST FRANKLIN A	CA ENVIROSTOR, CA VCP	Higher	2815, 0.533, West
102	HUGHES AIRCRAFT/GILB	800 N. SEPULVEDA BLV	CA ENVIROSTOR, CA VCP	Higher	3089, 0.585, NNW
103	FORT MCARTHUR	200 NORTH DOUGLAS ST	CA BOND EXP. PLAN	Lower	3104, 0.588, East
104	RADIANT SERVICES	200 NEVADA STREET	CA ENVIROSTOR, CA VCP	Lower	3107, 0.588, West
105	201 N. DOUGLAS PROPE	201 N. DOUGLAS STREE	CA ENVIROSTOR, CA SCH	Lower	3116, 0.590, East
Z106	NWRIP DOD #26		CA ENVIROSTOR	Higher	3738, 0.708, NNW
Z107	EL SEGUNDO STORAGE A		CA ENVIROSTOR	Higher	3738, 0.708, NNW
108	NORTH AMERICAN AIRCR		CA ENVIROSTOR	Lower	3836, 0.727, NNE
AA109	BOEING SATELLITE SYS	1920 E IMPERIAL HWY	CA ENVIROSTOR	Lower	4031, 0.763, North
AA110	THE BOEING COMPANY	1920 EAST IMPERIAL H	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, CA...	Lower	4031, 0.763, North
AB111	ROCKWELL INTERNATION	815 LAPHAM ST	CORRACTS, RCRA-TSDF, RCRA-SQG, PADS, NY MANIFEST	Lower	4222, 0.800, NE
AB112	WISEBURN HIGH SCHOOL	827 NORTH DOUGLAS ST	CA ENVIROSTOR, CA SLIC, CA SCH, CA HIST CORTESE	Lower	4222, 0.800, NE
AB113	ROCKWELL INT'L CORP/	827 N DOUGLAS	CA ENVIROSTOR, CA HWP	Lower	4222, 0.800, NE
114	NORTHROP GRUMMAN COR	800 N DOUGLAS	CA HAZNET, CA HWP	Lower	4368, 0.827, NE
115	NORTHROP GRUMMAN EL	1 HORNET WAY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,	Lower	4650, 0.881, ENE
116	H KRAMER & COMPANY	1 CHAPMAN WAY	CA ENVIROSTOR, CA SLIC, CA ENF, LA Co. Site...	Lower	4859, 0.920, SSE
117	SPERRY GYROSCOPE COR		CA ENVIROSTOR	Lower	5027, 0.952, NNE

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
118	UNC/CFC ACQUISITN	6201 W IMPERIAL HIGH	CA ENVIROSTOR, CA EMI, LA Co. Site Mitigation	Lower	5102, 0.966, North
119	STANDARD OIL CO.		CA ENVIROSTOR	Lower	5174, 0.980, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TISHMAN SPEYER PROPE 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002645577	N/A
COMMONWEALTH GRAND A 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002566252	N/A
REALITY ASSOCIATES F 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002702990	N/A
TEAM ONE ADVERTISING 1960 E GRAND AVE 7TH EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAL000106192	N/A
TEAM ONE ADVERTISING 1960 EAST GRAND AVE EL SEGUNDO, CA 90245	RCRA-SQG EPA ID:: CAD982504094 FINDS Registry ID:: 110002835175 ECHO	CAD982504094

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT..... Waste Management Unit Database
CA SWRCY..... Recycler Database
CA HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN ---------- San Gabriel Valley Areas of Concern
US HIST CDL ---------- Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites ---------- Historical Calsites Database
CA CDL ---------- Clandestine Drug Labs
CA Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ---------- Facility Inventory Database

Local Land Records

CA LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information
CA DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CA LDS ---------- Land Disposal Sites Listing
CA MCS ---------- Military Cleanup Sites Listing

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST ---------- EPA WATCH LIST
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites

US MINES - Mines Master Index File
DOCKET HWC - Hazardous Waste Compliance Docket Listing
UXO - Unexploded Ordnance Sites
CA Cortese - "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings - CUPA Resources List
CA DRYCLEANERS - Cleaner Facilities
CA HWT - Registered Hazardous Waste Transporter Database
CA MINES - Mines Site Location Listing
CA MWMP - Medical Waste Management Program Listing
CA PEST LIC - Pesticide Regulation Licenses Listing
CA PROC - Certified Processors Database
CA Notify 65 - Proposition 65 Records
CA UIC - UIC Listing
CA WASTEWATER PITS - Oil Wastewater Pits Listing
CA WIP - Well Investigation Program Case List
FUELS PROGRAM - EPA Fuels Program Registered Listing
ABANDONED MINES - Abandoned Mines

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/10/2016 has revealed that there

are 6 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E. EL SEGUNDO B***	***SE 1/4 - 1/2 (0.261 mi.)***	***N58***	***103***
INERNATIONAL RECTIFI	***1521 GRAND AVE***	***WNW 1/4 - 1/2 (0.370 mi.)***	***75***	***180***
DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	NNW 1/4 - 1/2 (0.427 mi.)	W94	229
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ALLIED SALES & SALVA	160 S SEPULVEDA BLVD	SSW 1/4 - 1/2 (0.355 mi.)	Q73	177
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***S80***	***202***
HUGHES AIRCRAFT CO R	***2060 E. IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.488 mi.)***	***Y99***	***237***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/12/2016 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E. EL SEGUNDO B***	***SE 1/4 - 1/2 (0.261 mi.)***	***N58***	***103***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***S80***	***202***
THE BOEING COMPANY	***1920 EAST IMPERIAL H***	***N 1/2 - 1 (0.763 mi.)***	***AA110***	***288***
ROCKWELL INTERNATION	***815 LAPHAM ST***	***NE 1/2 - 1 (0.800 mi.)***	***AB111***	***333***
NORTHROP GRUMMAN EL	***1 HORNET WAY***	***ENE 1/2 - 1 (0.881 mi.)***	***115***	***349***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 09/12/2016 has revealed that there are 4 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E. EL SEGUNDO B***	***SE 1/4 - 1/2 (0.261 mi.)***	***N58***	***103***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NORTHROP CORP AIRCRA	***2031 E MARIPOSA AVE***	***NNE 1/4 - 1/2 (0.335 mi.)***	***P70***	***163***
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***S80***	***202***
HUGHES AIRCRAFT CO R	***2060 E. IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.488 mi.)***	***Y99***	***237***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/12/2016 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B9***	***16***
HUGHES AIRCRAFT CO E	***360 N. SEPULVEDA BLV***	***WNW 1/8 - 1/4 (0.182 mi.)***	***J34***	***42***
TELEDYNE CONTROLS LL	***501 CONTINENTAL BLVD***	***N 1/8 - 1/4 (0.193 mi.)***	***42***	***49***
SAPA ANODIZING INC	***400 N CONTINENTAL BL***	***NE 1/8 - 1/4 (0.202 mi.)***	***L47***	***60***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
HUGHES AIRCRAFT CO S	***200 N SEPULVEDA BLVD***	***WSW 1/8 - 1/4 (0.158 mi.)***	***G25***	***34***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/12/2016 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WALGREENS #9882	331 N SEPULVEDA BLVD	WNW 1/8 - 1/4 (0.210 mi.)	49	62

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 10/31/2016 has revealed that there are 23 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON CO	***2000 E EL SEGUNDO BL***	***S 1/8 - 1/4 (0.211 mi.)***	***M51***	***64***

Facility Id: 80001335 Status: Active				
INT RECTIFIER CORP E Facility Id: 19360533 Status: Refer: RWQCB	***233 KANSAS ST***	***W 1/4 - 1/2 (0.425 mi.)***	***V90***	***220***
DEVLIN PHARMACEUTICA Facility Id: 19280313 Status: No Further Action	700 NORTH SEPULVEDA	NNW 1/4 - 1/2 (0.427 mi.)	W93	227
1330 EAST FRANKLIN A Facility Id: 60002376 Status: Active	***1330 EAST FRANKLIN A***	***W 1/2 - 1 (0.533 mi.)***	***101***	***260***
HUGHES AIRCRAFT/GILB Facility Id: 19370368 Status: No Further Action	***800 N. SEPULVEDA BLV***	***NNW 1/2 - 1 (0.585 mi.)***	***102***	***264***
NWRIP DOD #26 Facility Id: 80000638 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.708 mi.)	Z106	279
EL SEGUNDO STORAGE A Facility Id: 80000076 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.708 mi.)	Z107	280

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NORTHROP CORP-AIRCRA Facility Id: 80001646 Status: No Action Required	2031 E MARIPOSA AVE	NNE 1/4 - 1/2 (0.335 mi.)	P69	162
ALLIED SALES & SALVA Facility Id: 19500011 Status: Refer: Other Agency	***160 SEPULVEDA***	***SSW 1/4 - 1/2 (0.355 mi.)***	***Q74***	***178***
NORTHROP CORP/AIRCRA Facility Id: 80001309 Status: No Action Required	2043 E MARIPOSA AVE	NE 1/4 - 1/2 (0.378 mi.)	S79	200
HILTON GARDEN INN Facility Id: 19130106 Status: No Further Action	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***95***	***230***
RAYTHEON CO Facility Id: 60001344 Status: Active	***2030 MAPLE AVENUE***	***NNE 1/4 - 1/2 (0.488 mi.)***	***Y98***	***234***
FORMER NORTH AMERICA Facility Id: 60000905 Status: No Further Action	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.494 mi.)***	***100***	***252***
RADIANT SERVICES Facility Id: 19130119 Status: Inactive - Action Required	***200 NEVADA STREET***	***W 1/2 - 1 (0.588 mi.)***	***104***	***267***
201 N. DOUGLAS PROPE Facility Id: 60001802 Status: Active	***201 N. DOUGLAS STREE***	***E 1/2 - 1 (0.590 mi.)***	***105***	***269***
NORTH AMERICAN AIRCR Facility Id: 80000838 Facility Id: 80000839		NNE 1/2 - 1 (0.727 mi.)	108	281

Status: Inactive - Needs Evaluation				
BOEING SATELLITE SYS Facility Id: 80001440 Status: Active	1920 E IMPERIAL HWY	N 1/2 - 1 (0.763 mi.)	AA109	283
WISEBURN HIGH SCHOOL Facility Id: 60001621 Status: Inactive - Needs Evaluation	***827 NORTH DOUGLAS ST***	***NE 1/2 - 1 (0.800 mi.)***	***AB112***	***339***
ROCKWELL INT'L CORP/ Facility Id: 80001734 Status: No Further Action	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AB113***	***343***
H KRAMER & COMPANY Facility Id: 19330144 Status: Refer: Other Agency	***1 CHAPMAN WAY***	***SSE 1/2 - 1 (0.920 mi.)***	***116***	***404***
SPERRY GYROSCOPE COR Facility Id: 80000842 Status: Inactive - Needs Evaluation		NNE 1/2 - 1 (0.952 mi.)	117	408
UNC/CFC ACQUISITN Facility Id: 71003574 Status: Refer: Other Agency	***6201 W IMPERIAL HIGH***	***N 1/2 - 1 (0.966 mi.)***	***118***	***409***
STANDARD OIL CO. Facility Id: 80001144 Status: Inactive - Needs Evaluation		WSW 1/2 - 1 (0.980 mi.)	119	412

State and tribal leaking storage tank lists

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 16 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLOBAL SOLUTIONS Database: LUST REG 4, Date of Government Version: 09/07/2004 Global ID: T0603701269 Facility Id: 902450089 Status: Case Closed	1955 GRAND AVE	NNE 0 - 1/8 (0.028 mi.)	B8	15
MATTEL INC Database: LUST, Date of Government Version: 12/12/2016 Global Id: T0603701269 Status: Completed - Case Closed	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B9***	***16***
HUGHES AIRCRAFT CO C Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/12/2016 Global Id: T0603705198 Global ID: T0603705198 Status: Completed - Case Closed Facility Id: R-13532	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***

Status: Case Closed

HUGHES AIRCRAFT COMP ***2000 EL SEGUNDO BLVD*** ***S 1/8 - 1/4 (0.211 mi.)*** ***M54*** ***75***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603792958
Global ID: T0603792958
Status: Completed - Case Closed
Facility Id: R-10917
Status: Case Closed

INERNATIONAL RECTIFI ***1521 GRAND AVE*** ***WNW 1/4 - 1/2 (0.370 mi.)*** ***75*** ***180***
UNOCAL #5866 ***603 SEPULVEDA BLVD N*** ***NNW 1/4 - 1/2 (0.391 mi.)*** ***85*** ***214***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603703539
Global ID: T0603703539
Status: Completed - Case Closed
Facility Id: I-09969
Status: Case Closed

INT RECTIFIER CORP E ***233 KANSAS ST*** ***W 1/4 - 1/2 (0.425 mi.)*** ***V90*** ***220***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603704349
Facility Id: I-15781
Status: Preliminary site assessment underway

PILLACK PROPERTY 1410 GRAND AVE W 1/4 - 1/2 (0.460 mi.) X96 232
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603704135
Global ID: T0603704135
Status: Completed - Case Closed
Facility Id: I-14091
Status: Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page

JIM & JACK AUTO BODY ***307 SEPULVEDA BLVD N*** ***WNW 1/8 - 1/4 (0.178 mi.)*** ***30*** ***38***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603704033
Global ID: T0603704033
Status: Completed - Case Closed
Facility Id: I-13092
Status: Case Closed

JOE BABB CHEVRON ***101 S SEPULVEDA BLVD*** ***SW 1/4 - 1/2 (0.263 mi.)*** ***62*** ***150***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603703512
Global ID: T0603703512
Status: Completed - Case Closed
Facility Id: I-09890
Status: Case Closed

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***W 1/4 - 1/2 (0.283 mi.)*** ***O64*** ***155***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603705310

Facility Id: R-20565
Status: Leak being confirmed

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***W 1/4 - 1/2 (0.283 mi.)*** ***O65*** ***158***
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603705310
Status: Completed - Case Closed

AMPEX CORPORATION ***200 N NASH ST*** ***ESE 1/4 - 1/2 (0.374 mi.)*** ***R76*** ***193***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603705447
Global ID: T0603705447
Status: Completed - Case Closed
Facility Id: R-24347
Status: Leak being confirmed

UNITED AIRLINE FLIGH 444 NASH ST ENE 1/4 - 1/2 (0.384 mi.) T83 208
Database: LUST REG 4, Date of Government Version: 09/07/2004
Global ID: T0603704019
Facility Id: I-12973
Status: Case Closed

T5 LOS ANGELES DATA ***444 NORTH NASH STREE*** ***ENE 1/4 - 1/2 (0.384 mi.)*** ***T84*** ***209***
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603704019
Status: Completed - Case Closed

BLACKMORE ASSOCIATES ***700 LAIRPORT ST*** ***N 1/4 - 1/2 (0.424 mi.)*** ***U87*** ***217***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/12/2016
Global Id: T0603705083
Global ID: T0603705083
Status: Completed - Case Closed
Facility Id: R-11949
Status: Leak being confirmed

CA SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 3 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INT RECTIFIER CORP E	***233 KANSAS ST***	***W 1/4 - 1/2 (0.425 mi.)***	***V90***	***220***
Database: SLIC, Date of Government Version: 12/12/2016 Facility Status: Completed - Case Closed Global Id: SL184571440				
INTERNATIONAL RECTIF	233 KANSAS	W 1/4 - 1/2 (0.425 mi.)	V91	227
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST COAST BARRIER P	***EL SEGUNDO BLVD***	***SW 1/4 - 1/2 (0.349 mi.)***	***72***	***175***
Database: SLIC, Date of Government Version: 12/12/2016				

Facility Status: Completed - Case Closed
Global Id: SL599992902

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 8 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC. Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Database: UST, Date of Government Version: 09/12/2016 Facility Id: 300128 Permit Number: 30-0128 Tank Status: UST Removal	333 N. CONTINENTAL B	NE 0 - 1/8 (0.113 mi.)	E14	22
XEROX CORPORATION Database: UST, Date of Government Version: 09/12/2016 Facility Id: 300035	1990 XEROX CENTER DR	SE 1/8 - 1/4 (0.178 mi.)	H31	40
COMPUTER SCIENCES CO Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Database: UST, Date of Government Version: 09/12/2016 Facility Id: 300024 Permit Number: 30-0024 Tank Status: UST Removal	2100 E. GRAND AVE.	ESE 1/8 - 1/4 (0.180 mi.)	I32	41
101 CONTINENTIAL PAR Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Permit Number: 30-0493 Tank Status: Change of Information	101 CONTINENTAL BOUL	SE 1/8 - 1/4 (0.201 mi.)	H45	57
RAYTHEON COMPANY Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Permit Number: 30-0131 Tank Status: UST Removal	2000 E. EL SEGUNDO B	S 1/8 - 1/4 (0.211 mi.)	M50	64
RAYTHEON SYSTEMS COM Database: UST, Date of Government Version: 09/12/2016 Facility Id: 300131	2000 E. EL SEGUNDO B	S 1/8 - 1/4 (0.211 mi.)	M55	77

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC CORPORATE TO Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Database: UST, Date of Government Version: 09/12/2016 Facility Id: 300212 Permit Number: 30-0212 Permit Number: 30-0211 Tank Status: UST Removal	222 N. SEPULVEDA BL.	WSW 1/8 - 1/4 (0.157 mi.)	G21	32
PACIFIC CORPORATE TO Database: UST, Date of Government Version: 09/12/2016	100 N. SEPULVEDA BL.	WSW 1/8 - 1/4 (0.157 mi.)	G22	32

Facility Id: 300211

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 7 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	***333 CONTINENTAL BLVD***	***NE 0 - 1/8 (0.113 mi.)***	***E16***	***23***
ANODIZING INC	***400 N CONTINENTAL BL***	***NE 1/8 - 1/4 (0.202 mi.)***	***L46***	***57***
Not reported	***2000 BLOCK E. EL SEG***	***S 1/8 - 1/4 (0.211 mi.)***	***M52***	***72***
BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	S 1/8 - 1/4 (0.211 mi.)	M53	74

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	WSW 1/8 - 1/4 (0.157 mi.)	G23	33
CETERA FINANCIAL GRO	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G27	35
ING	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G28	36

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 10/31/2016 has revealed that there are 2 CA VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HILTON GARDEN INN Status: No Further Action Facility Id: 19130106	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***95***	***230***
FORMER NORTH AMERICA Status: No Further Action Facility Id: 60000905	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.494 mi.)***	***100***	***252***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there

are 9 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED AIRLINES	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B7***	***14***
Status: A Tank Status: A Comp Number: 14047				
HUGHES AIRCRAFT CO C	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***
Status: A Tank Status: A Comp Number: 13532				
MATTEL TOYS INC	***335 CONTINENTAL BLVD***	***ENE 1/8 - 1/4 (0.153 mi.)***	***F20***	***31***
Status: A Tank Status: A Comp Number: 12622				
COMPUTER SCIENCES CO	***2100 E GRAND AVE***	***ESE 1/8 - 1/4 (0.180 mi.)***	***I33***	***41***
Status: A Comp Number: 14075				
LAX BUSINESS CENTER	***360 N SEPULVEDA BLVD***	***WNW 1/8 - 1/4 (0.182 mi.)***	***J35***	***43***
Status: A Comp Number: 12164				
XEROX CORP	***101 CONTINENTAL***	***SE 1/8 - 1/4 (0.201 mi.)***	***H44***	***56***
Status: A Comp Number: 15358				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BUILDING MGM	***222 N SEPULVEDA BLVD***	***SW 1/8 - 1/4 (0.127 mi.)***	***18***	***28***
Status: A Tank Status: A Comp Number: 13279				
PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G24	33
Status: A Tank Status: A Comp Number: 13278				
KEVORK TEXACO	***307 N SEPULVEDA BLVD***	***W 1/8 - 1/4 (0.183 mi.)***	***K39***	***46***
Status: A Tank Status: A Comp Number: 13092				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAX BUSINESS CENTER	300 360 AND 390 N SE	NW 1/8 - 1/4 (0.189 mi.)	J41	49

Lower Elevation	Address	Direction / Distance	Map ID	Page
HAGOP KIZIRIAN	307 N SEPULVEDA BLVD	W 1/8 - 1/4 (0.183 mi.)	K38	45

EXECUTIVE SUMMARY

Facility Id: 00000040022

Records of Emergency Release Reports

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 09/26/2016 has revealed that there are 6 CA CHMIRS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported OES Incident Number: 7-1014	300 NO. CONTINENTAL	ENE 1/8 - 1/4 (0.163 mi.)	F29	37
Not reported OES Incident Number: 7-4022	360 N SEPULVEDA	WNW 1/8 - 1/4 (0.182 mi.)	J36	44
RAYTHEON CO OES Incident Number: 1-2235	***2000 E EL SEGUNDO BL***	***S 1/8 - 1/4 (0.211 mi.)***	***M51***	***64***
Not reported OES Incident Number: 099174 Date Completed: 03-MAY-90	***2000 BLOCK E. EL SEG***	***S 1/8 - 1/4 (0.211 mi.)***	***M52***	***72***
Not reported OES Incident Number: 3-6407 OES Incident Number: 10719	2000 EAST EL SEGUNDO	S 1/8 - 1/4 (0.211 mi.)	M56	77

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported OES Incident Number: 9-4491	SEPULVEDA & GRAND	W 1/8 - 1/4 (0.149 mi.)	19	29

Other Ascertainable Records

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT MCARTHUR	200 NORTH DOUGLAS ST	E 1/2 - 1 (0.588 mi.)	103	266

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 13 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B9***	***16***
Reg Id: 902450089				
HUGHES AIRCRAFT CO C	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***
Reg Id: R-13532				
HUGHES AIRCRAFT COMP	***2000 EL SEGUNDO BLVD***	***S 1/8 - 1/4 (0.211 mi.)***	***M54***	***75***
Reg Id: R-10917X				
INERNATIONAL RECTIFI	***1521 GRAND AVE***	***WNW 1/4 - 1/2 (0.370 mi.)***	***75***	***180***
UNOCAL #5866	***603 SEPULVEDA BLVD N***	***NNW 1/4 - 1/2 (0.391 mi.)***	***85***	***214***
Reg Id: I-09969				
INT RECTIFIER CORP E	***233 KANSAS ST***	***W 1/4 - 1/2 (0.425 mi.)***	***V90***	***220***
Reg Id: I-15781				
PILLACK PROPERTY	1410 GRAND	W 1/4 - 1/2 (0.460 mi.)	X97	234
Reg Id: I-14091				

Lower Elevation	Address	Direction / Distance	Map ID	Page
JIM & JACK AUTO BODY	***307 SEPULVEDA BLVD N***	***WNW 1/8 - 1/4 (0.178 mi.)***	***30***	***38***
Reg Id: I-13092				
JOE BABB CHEVRON	***101 S SEPULVEDA BLVD***	***SW 1/4 - 1/2 (0.263 mi.)***	***62***	***150***
Reg Id: I-09890				
CITY OF EL SEGUNDO	***150 ILLINOIS ST***	***W 1/4 - 1/2 (0.283 mi.)***	***O65***	***158***
Reg Id: R-20565				
Reg Id: 263				
ALLIED SALES & SALVA	***160 SEPULVEDA***	***SSW 1/4 - 1/2 (0.355 mi.)***	***Q74***	***178***
Reg Id: 19500011				
AMPEX CORPORATION	***200 N NASH ST***	***ESE 1/4 - 1/2 (0.374 mi.)***	***R76***	***193***
Reg Id: R-24347				
T5 LOS ANGELES DATA	***444 NORTH NASH STREE***	***ENE 1/4 - 1/2 (0.384 mi.)***	***T84***	***209***
Reg Id: I-12973				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 11/21/2016 has revealed that there are 7 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO E	***2000 E EL SEGUNDO BL***	***SE 1/4 - 1/2 (0.261 mi.)***	***N57***	***80***
EPA Id: CAD000633230				
Cleanup Status: OPERATING PERMIT				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL TOYS INC	***2031 MARIPOSA***	***NNE 1/4 - 1/2 (0.335 mi.)***	***P71***	***165***

EPA Id: CAD009687336
Cleanup Status: PROTECTIVE FILER

NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***S80***	***202***
EPA Id: CAD000627216 Cleanup Status: CLOSED				
RAYTHEON CO	***2030 MAPLE AVENUE***	***NNE 1/4 - 1/2 (0.488 mi.)***	***Y98***	***234***
EPA Id: CAT080010853 Cleanup Status: UNDERGOING CLOSURE				
THE BOEING COMPANY	***1920 EAST IMPERIAL H***	***N 1/2 - 1 (0.763 mi.)***	***AA110***	***288***
EPA Id: CAD060897063 Cleanup Status: CLOSED				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AB113***	***343***
EPA Id: CAD097855126 Cleanup Status: CLOSED				
NORTHROP GRUMMAN COR	***800 N DOUGLAS***	***NE 1/2 - 1 (0.827 mi.)***	***114***	***345***
EPA Id: CAD000627273 Cleanup Status: CLOSED				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
Not reported	333 CONTINENTAL BLV	NE 0 - 1/8 (0.113 mi.)	E15	22
Not reported	360 N SEPULVEDA BLVD	WNW 1/8 - 1/4 (0.182 mi.)	J37	45

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
Not reported	222 N SEPULVEDA BLVD	WSW 0 - 1/8 (0.091 mi.)	D13	22
Not reported	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G26	35
Not reported	307 N SEPULVEDA BLVD	W 1/8 - 1/4 (0.183 mi.)	K40	48

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 3 EDR Hist Cleaner sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	400 CONTINENTAL BLV	NE 1/8 - 1/4 (0.202 mi.)	L48	61

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	222 N SEPULVEDA BLVD	WSW 0 - 1/8 (0.091 mi.)	D12	21
Not reported	100 N SEPULVEDA BLVD	SW 1/8 - 1/4 (0.196 mi.)	43	55

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

A review of the CA RGA LF list, as provided by EDR, has revealed that there are 2 CA RGA LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A AND A WASTE ROLL Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	W 1/4 - 1/2 (0.286 mi.)	O67	161
A AND A WASTE ROLL O Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	W 1/4 - 1/2 (0.286 mi.)	O68	162

CA RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

A review of the CA RGA LUST list, as provided by EDR, has revealed that there are 16 CA RGA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLOBAL SOLUTIONS	1955 GRAND AVE	NNE 0 - 1/8 (0.028 mi.)	B6	14
HUGHES AIRCRAFT CO C	1990 GRAND AVE E	E 0 - 1/8 (0.083 mi.)	C10	21
HUGHES AIRCRAFT CO C	1990 GRAND AVE	E 0 - 1/8 (0.083 mi.)	C11	21
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.261 mi.)	N59	149

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.261 mi.)	N60	149
HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.261 mi.)	N61	150
INTERNATIONAL RECTIF	233 KANSAS ST.	W 1/4 - 1/2 (0.425 mi.)	V88	220
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.425 mi.)	V89	220
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.425 mi.)	V92	227

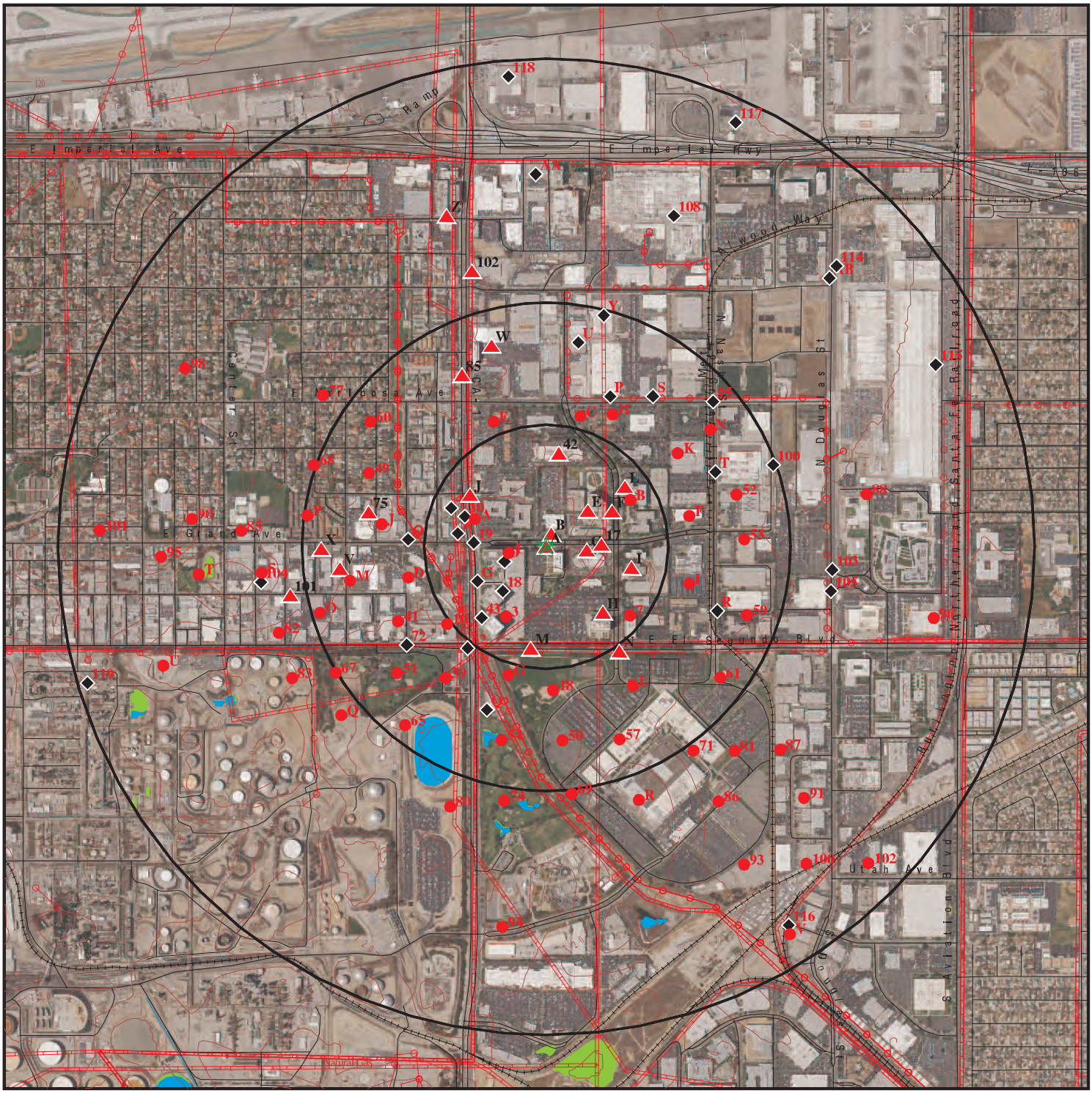
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF EL SEGUNDO	150 ILLINOIS STREET	W 1/4 - 1/2 (0.283 mi.)	O63	155
CITY OF EL SEGUNDO	150 ILLINOIS ST	W 1/4 - 1/2 (0.283 mi.)	O66	161
AMPEX CORPORATION SI	200 NASH ST N	ESE 1/4 - 1/2 (0.374 mi.)	R77	200
AMPEX CORPORATION SI	198 NASH ST N	ESE 1/4 - 1/2 (0.376 mi.)	R78	200
UNITED AIRLINE FLIGH	444 NASH ST	ENE 1/4 - 1/2 (0.379 mi.)	T81	207
UNITED AIRLINE FLIGH	444 NASH ST.	ENE 1/4 - 1/2 (0.379 mi.)	T82	207
BLACKMORE ASSOCIATES	700 LAIRPORT ST	N 1/4 - 1/2 (0.417 mi.)	U86	216

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
CITY OF EL SEGUNDO	CA LUST, CA HIST CORTESE CA CDL
LA COUNTY/METRO LINE/HAWTHORNE YAR	CA ENVIROSTOR, CA VCP
DOD - LOS ANGELES AIRFORCE BASE	CA SLIC
JONDA ENTERPRISES	CA SLIC

OVERVIEW MAP - 04842909.1R



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Grand Avenue Courtyard	CLIENT:	EBI Consulting
ADDRESS:	1960 East Grand Avenue El Segundo CA 90245	CONTACT:	Production Manager
		INQUIRY #:	04842909.1r
LAT/LONG:	33.919323 / 118.39335	DATE:	February 01, 2017 4:57 pm

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DETAIL MAP - 04842909.1R

SITE NAME:	Grand Avenue Courtyard	CLIENT:	EBI Consulting
ADDRESS:	1960 East Grand Avenue El Segundo CA 90245	CONTACT:	Production Manager
LAT/LONG:	33.919323 / 118.39335	INQUIRY #:	04842909.1r
		DATE:	February 01, 2017 4:59 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	6	NR	NR	6
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	2	3	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	4	NR	NR	4
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	1	4	NR	NR	NR	6
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.125		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	1	8	14	NR	23
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		3	2	11	NR	NR	16

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		0	0	3	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		1	7	NR	NR	NR	8
CA AST	0.250		1	6	NR	NR	NR	7
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		2	7	NR	NR	NR	9
CA HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	0.250		0	6	NR	NR	NR	6
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	TP		NR	NR	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	4	NR	NR	NR	NR	NR	4
CA ICE	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA HIST CORTESE	0.500		2	2	9	NR	NR	13
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA HWP	1.000		0	0	4	3	NR	7
CA HWT	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
CA MINES	TP		NR	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		2	3	NR	NR	NR	5
EDR Hist Cleaner	0.250		1	2	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.500		0	0	2	NR	NR	2
CA RGA LUST	0.500		3	0	13	NR	NR	16
- Totals --		7	16	43	64	21	0	151

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TISHMAN SPEYER PROPERTIES INC** **CA HAZNET** **S112979960**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 1 of 5 in cluster A

Actual:
115 ft.

HAZNET:

envid:	S112979960
Year:	2009
GEPAID:	CAC002645577
Contact:	DON MCCURRY EXT:12
Telephone:	3104146530
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE STE 550
Mailing City,St,Zip:	EL SEGUNDO, CA 902455062
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22935
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A2 **COMMONWEALTH GRAND AVENUE CORP** **CA HAZNET** **S112930455**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 2 of 5 in cluster A

Actual:
115 ft.

HAZNET:

envid:	S112930455
Year:	2006
GEPAID:	CAC002566252
Contact:	DON MC CURRY/CHIEF ENG
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Transfer Station
Tons:	0.12
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S112930455
Year:	2006
GEPAID:	CAC002566252
Contact:	DON MC CURRY/CHIEF ENG
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Not reported

COMMONWEALTH GRAND AVENUE CORP (Continued) **S112930455**

TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112930455
Year: 2006
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Transfer Station
Tons: 0.62
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S112930455
Year: 2003
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A3 **REALITY ASSOCIATES FUND #9** **CA HAZNET** **S113787228**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 3 of 5 in cluster A

Actual:
115 ft.

HAZNET:
envid: S113787228
Year: 2012
GEPAID: CAC002702990
Contact: DON MCCURRY
Telephone: 3104140014
Mailing Name: Not reported

REALITY ASSOCIATES FUND #9 (Continued) **S113787228**

Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00834
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.068
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0924
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE

REALITY ASSOCIATES FUND #9 (Continued) **S113787228**

Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00417
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A4 **TEAM ONE ADVERTISING** **CA HAZNET** **S113061592**
Target **1960 E GRAND AVE 7TH FLOOR** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 4 of 5 in cluster A

Actual:
115 ft.

HAZNET:
envid: S113061592
Year: 1995
GEPAID: CAL000106192
Contact: SAATCHI & SAATCHI
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0542
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113061592
Year: 1994
GEPAID: CAL000106192
Contact: SAATCHI & SAATCHI
Telephone: 3106152072
Mailing Name: Not reported
Mailing Address: 1960 E GRAND
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: CAD982524613
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0625
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113061592
Year: 1993
GEPAID: CAL000106192

TEAM ONE ADVERTISING (Continued) **S113061592**

Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	0.125
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113061592
Year:	1993
GEPAID:	CAL000106192
Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Not reported
Tons:	0.12509999999
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A5 **TEAM ONE ADVERTISING** **RCRA-SQG 1000294322**
Target **1960 EAST GRAND AVE SUITE E** **FINDS CAD982504094**
Property **EL SEGUNDO, CA 90245** **ECHO**

Site 5 of 5 in cluster A

Actual:
115 ft.

RCRA-SQG:

Date form received by agency:	01/03/1990
Facility name:	TEAM ONE ADVERTISING
Facility address:	1960 EAST GRAND AVE SUITE E EL SEGUNDO, CA 90245
EPA ID:	CAD982504094
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1960 EAST GRAND AVE SUITE E EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	(213) 615-2000
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

TEAM ONE ADVERTISING (Continued) **1000294322**

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAATCHI INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002835175

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000294322
Registry ID: 110002835175

TEAM ONE ADVERTISING (Continued) **1000294322**

DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002835175

B6 **GLOBAL SOLUTIONS** **CA RGA LUST** **S114627483**
NNE **1955 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.028 mi.
150 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

RGA LUST:

2012	GLOBAL SOLUTIONS	1955 GRAND AVE
2011	GLOBAL SOLUTIONS	1955 GRAND AVE
2010	GLOBAL SOLUTIONS	1955 GRAND AVE
2009	GLOBAL SOLUTIONS	1955 GRAND AVE
2008	GLOBAL SOLUTIONS	1955 GRAND AVE
2007	GLOBAL SOLUTIONS	1955 GRAND AVE
2006	GLOBAL SOLUTIONS	1955 GRAND AVE
2005	GLOBAL SOLUTIONS	1955 GRAND AVE
2003	GLOBAL SOLUTIONS	1955 GRAND AVE
2002	GLOBAL SOLUTIONS	1955 GRAND AVE
2001	GLOBAL SOLUTIONS	1955 GRAND AVE
2000	GLOBAL SOLUTIONS	1955 GRAND AVE
1998	GLOBAL SOLUTIONS	1955 GRAND AVE

B7 **UNITED AIRLINES** **CA SWEEPS UST** **S102058314**
NNE **1955 E GRAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.028 mi.
150 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

SWEEPS UST:

Status:	Active
Comp Number:	14047
Number:	9
Board Of Equalization:	44-010337
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-014047-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	013645-014047
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00005519T
Permit Status:	Closed

B8 **GLOBAL SOLUTIONS** **CA LUST** **S103285662**
NNE **1955 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.028 mi.
150 ft. **Site 3 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701269	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/31/1997
Date Leak Record Entered:	5/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/2/1998
Date the Case was Closed:		2/2/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7732.533116976584544896281612
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GLOBAL SOLUTIONS	
RP Address:	2700 COMBELLACK DR, SIGNAL HILL, CA 90806	
Program:	LUST	
Lat/Long:	33.9195106 / -1	
Local Agency Staff:	SHT	

GLOBAL SOLUTIONS (Continued) **S103285662**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

B9 **MATTEL INC** **RCRA-SQG** **1000819588**
NNE **1955 E GRAND AVE** **CA LUST** **CAD983655804**
< 1/8 **EL SEGUNDO, CA 90245** **FINDS**
0.028 mi. **CA EMI**
150 ft. **Site 4 of 4 in cluster B** **CA HIST CORTESE**
ECHO

Relative:
Higher

Actual:
116 ft.

RCRA-SQG:
Date form received by agency: 04/01/1999
Facility name: MATTEL INC
Facility address: 1955 E GRAND AVE
EL SEGUNDO, CA 902455012
EPA ID: CAD983655804
Mailing address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: COZETTA MIGUELENA
Contact address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 252-5524
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: (310) 252-5524
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

MATTEL INC (Continued) **1000819588**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0603701269
Latitude: 33.920641
Longitude: -118.39318
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/02/1998
Lead Agency: EL SEGUNDO, CITY OF
Case Worker: SHT
Local Agency: EL SEGUNDO, CITY OF
RB Case Number: 902450089
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

MATTEL INC (Continued) **1000819588**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603701269
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603701269
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603701269
Status:	Open - Case Begin Date
Status Date:	12/31/1997

Global Id:	T0603701269
Status:	Completed - Case Closed
Status Date:	02/02/1998

Regulatory Activities:

Global Id:	T0603701269
Action Type:	Other
Date:	12/31/1997
Action:	Leak Reported

FINDS:

Registry ID: 110002889875

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	4042

MATTEL INC (Continued) **1000819588**

Air District Name:	SC
SIC Code:	6512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	4042
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0

MATTEL INC (Continued) **1000819588**

Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02919
Reactive Organic Gases Tons/Yr:	0.01
Carbon Monoxide Emissions Tons/Yr:	0.1503
NOX - Oxides of Nitrogen Tons/Yr:	0.224
SOX - Oxides of Sulphur Tons/Yr:	0.001901
Particulate Matter Tons/Yr:	0.01675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

MATTEL INC (Continued) **1000819588**

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902450089

ECHO:
Envid: 1000819588
Registry ID: 110002889875
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002889875

C10 **HUGHES AIRCRAFT CO CSG** **CA RGA LUST** **S114633803**
East **1990 GRAND AVE E** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.083 mi.
440 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
117 ft.

RGA LUST:

2012	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2011	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2010	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2009	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2008	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2007	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2006	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2005	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2003	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2002	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2001	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E

C11 **HUGHES AIRCRAFT CO CSG** **CA RGA LUST** **S114633805**
East **1990 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.083 mi.
440 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
117 ft.

RGA LUST:

2000	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1998	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1997	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1996	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE

D12 **EDR Hist Cleaner** **1015021058**
WSW **222 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.091 mi.
478 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
109 ft.

EDR Historical Cleaners:
Name: SUPER COIN LAUNDRY INC
Year: 2003
Address: 222 N SEPULVEDA BLVD

D13
WSW
< 1/8
0.091 mi.
478 ft.

222 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

Site 2 of 2 in cluster D

Relative:
Lower

Actual:
109 ft.

EDR Hist Auto **1015336515**
N/A

EDR Historical Auto Stations:
Name: MAACO AUTO PAINTING & BODYWORK
Year: 2010
Address: 222 N SEPULVEDA BLVD

E14
NE
< 1/8
0.113 mi.
595 ft.

MATTEL, INC.
333 N. CONTINENTAL BL.
EL SEGUNDO, CA 90245

Site 1 of 3 in cluster E

Relative:
Higher

Actual:
122 ft.

CA UST **U003836511**
N/A

UST:
Facility ID: 300128
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.922401
Longitude: -118.389576

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Change of information
CERT Number: 03404
Permit Number: 30-0128

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Motort vehicle fueling
Date Inspected: 12/12/2007

E15
NE
< 1/8
0.113 mi.
595 ft.

333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245

Site 2 of 3 in cluster E

Relative:
Higher

Actual:
122 ft.

EDR Hist Auto **1015432370**
N/A

EDR Historical Auto Stations:
Name: ARCOTOYS INC
Year: 2002
Address: 333 CONTINENTAL BLVD

E16
NE
< 1/8
0.113 mi.
595 ft.

MATTEL, INC.
333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245

Site 3 of 3 in cluster E

CA AST **S106835271**
CA EMI **N/A**

Relative:
Higher

Actual:
122 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	MATTEL, INC.
Total Gallons:	2,650
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Certified Unified Program Agencies:	Not reported
Owner:	Mattel, Inc
Total Gallons:	Not reported
CERSID:	10157347
Facility ID:	19-013-300128
Business Name:	Mattel, Inc.
Phone:	310-252-2000
Fax:	Not reported
Mailing Address:	333 Continental Blvd; M1-0530
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Mattel, Inc
Operator Phone:	310-252-2000
Owner Phone:	310-252-2000
Owner Mail Address:	333 Continental Blvd
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported

MATTEL, INC. (Continued) **S106835271**

Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAD982433401

EMI:

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03178
Reactive Organic Gases Tons/Yr:	0.02
Carbon Monoxide Emissions Tons/Yr:	0.1792
NOX - Oxides of Nitrogen Tons/Yr:	0.2648
SOX - Oxides of Sulphur Tons/Yr:	0.00224
Particulate Matter Tons/Yr:	0.01985
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02

Year: 2006

MATTEL, INC. (Continued) **S106835271**

County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

17
East
< 1/8
0.113 mi.
596 ft.

Relative:
Higher

Actual:
116 ft.

HUGHES AIRCRAFT CO CSG **CA LUST** **S102431537**
1990 GRAND AVE E **CA SWEEPS UST** **N/A**
EL SEGUNDO, CA 90245 **CA HIST CORTESE**

LUST:

Region:	STATE
Global Id:	T0603705198
Latitude:	33.9188509
Longitude:	-118.39182
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/19/1996
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-13532
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705198
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705198
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705198
Status:	Completed - Case Closed
Status Date:	08/19/1996

Global Id:	T0603705198
Status:	Open - Case Begin Date
Status Date:	08/19/1996

Regulatory Activities:

Global Id:	T0603705198
Action Type:	Other
Date:	08/19/1996
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	R-13532
Status:	Case Closed
Substance:	1
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603705198
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19013
Cross Street:	Not reported
Enforcement Type:	Not reported
Date Leak Discovered:	Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Date Leak First Reported:		8/19/1996
Date Leak Record Entered:	8/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1996
Date the Case was Closed:		8/19/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7534.84954061541884537709753 47
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO., S66	
RP Address:	P.O. BOX 92919, LOS ANGELES CA 90009	
Program:	LUST	
Lat/Long:	33.9191286 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Status:	Active
Comp Number:	13532
Number:	9
Board Of Equalization:	44-008026
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013532-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Content: Not reported
Number Of Tanks: 1

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13532

18
SW
1/8-1/4
0.127 mi.
673 ft.

Relative:
Lower

Actual:
111 ft.

PACIFIC BUILDING MGMT **CA SWEEPS UST** **S103642911**
222 N SEPULVEDA BLVD **CA EMI** **N/A**
EL SEGUNDO, CA

SWEEPS UST:
Status: Active
Comp Number: 13279
Number: 9
Board Of Equalization: 44-010119
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013279-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 15131
Air District Name: SC
SIC Code: 6512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

19
West
1/8-1/4
0.149 mi.
785 ft.

SEPULVEDA & GRAND
EL SEGUNDO, CA

CA CHMIRS **S105659386**
N/A

Relative:
Lower

Actual:
105 ft.

CHMIRS:

OES Incident Number:	9-4491
OES notification:	10/22/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S105659386**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block
OES Incident Number:	9-4491
OES notification:	10/22/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999

(Continued) **S105659386**

Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block

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F20 **MATTEL TOYS INC** **CA SWEEPS UST** **S102056128**
ENE **335 CONTINENTAL BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.153 mi.
808 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
116 ft.

SWEEPS UST:

Status:	Active
Comp Number:	12622
Number:	9
Board Of Equalization:	44-009850
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-012622-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	012469-012622

MATTEL TOYS INC (Continued) **S102056128**

Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00004498T
Permit Status: Closed

G21 **PACIFIC CORPORATE TOWERS** **CA UST** **U003949009**
WSW **222 N. SEPULVEDA BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
831 ft. **Site 1 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

UST:
Facility ID: 300212
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9203861
Longitude: -118.3937989

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Permanent Facility Closure
CERT Number: 03435
Permit Number: 30-0211

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Motort vehicle fueling
Date Inspected: 12/31/2005

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Motort vehicle fueling
Date Inspected: 07/14/2008

G22 **PACIFIC CORPORATE TOWERS** **CA UST** **U003758315**
WSW **100 N. SEPULVEDA BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
831 ft. **Site 2 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

UST:
Facility ID: 300211
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9182168
Longitude: -118.3935885

G23
WSW
1/8-1/4
0.157 mi.
831 ft.

PACIFIC CORPORATE TOWERS
100-222 N. SEPULVEDA BLVD.
EL SEGUNDO, CA

Site 3 of 8 in cluster G

CA AST **A100324589**
N/A

Relative:
Lower

Actual:
105 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	PACIFIC CORPORATE TOWERS
Total Gallons:	1,800
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

G24
WSW
1/8-1/4
0.158 mi.
836 ft.

PACIFIC BUILDING MGMT
200 N SEPULVEDA BLVD
EL SEGUNDO, CA

Site 4 of 8 in cluster G

CA SWEEPS UST **S100864326**
N/A

Relative:
Lower

Actual:
105 ft.

SWEEPS UST:

Status:	Active
Comp Number:	13278
Number:	9
Board Of Equalization:	44-010119
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013278-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

G25 **HUGHES AIRCRAFT CO SCG** **RCRA-SQG** **1000241026**
WSW **200 N SEPULVEDA BLVD** **FINDS** **CAD982500373**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.158 mi.
836 ft. **Site 5 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

RCRA-SQG:

Date form received by agency:	03/06/1990
Facility name:	HUGHES AIRCRAFT CO SCG
Facility address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD982500373
Mailing address:	P O BOX 92919 S40 T360 LOS ANGELES, CA 90009
Contact:	ENVIRONMENTAL MANAGER
Contact address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	(213) 647-8378
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PRUDENTIAL LIFE INSUR
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

HUGHES AIRCRAFT CO SCG (Continued) **1000241026**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002833596

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000241026
Registry ID: 110002833596
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002833596

G26 **EDR Hist Auto** **1015302019**
WSW **200 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.158 mi.
836 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

EDR Historical Auto Stations:
Name: CHEVRON PRODUCTS CO
Year: 2009
Address: 200 N SEPULVEDA BLVD

G27 **CETERA FINANCIAL GROUP** **CA AST** **A100418653**
WSW **200 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.158 mi.
836 ft. **Site 7 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Cetera Financial Group
Total Gallons: Not reported
CERSID: 10629772
Facility ID: Not reported
Business Name: Cetera Financial Group
Phone: 3102577452
Fax: 3107841103
Mailing Address: 200 N Sepulveda Blvd. #1200
Mailing Address City: El Segundo

CETERA FINANCIAL GROUP (Continued) **A100418653**

Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Sergio Brito
Operator Phone:	3102577452
Owner Phone:	866-489-3100
Owner Mail Address:	200 N Sepulveda Blvd
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Pacific Corporate Towers LLC
Property Owner Phone:	310-615-0122
Property Owner Mailing Address:	200 North Sepulveda Blvd. #650
Property Owner City:	El Segundo
Property Owner Stat :	CA
Property Owner Zip Code:	90245
Property Owner Country:	United States
EPAID:	CAD000274397

G28 **ING** **CA AST** **A100324047**
WSW **200 N SEPULVEDA BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.158 mi.
836 ft. **Site 8 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	ING
Total Gallons:	3,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

F29
ENE
1/8-1/4
0.163 mi.
860 ft.

CA CHMIRS **S109038236**
N/A

300 NO. CONTINENTAL BLVD
EL SEGUNDO, CA 90245

Site 2 of 2 in cluster F

Relative:
Higher

Actual:
116 ft.

CHMIRS:

OES Incident Number:	7-1014
OES notification:	02/14/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Citizen/Property Manager
Incident Date:	2/14/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Paint, Water based
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S109038236**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Paint was spilled by an apprentice building engineer. He then attempted to clean it up by washing it down with a hose, and got it into the storm drain in doing so.

30
WNW
1/8-1/4
0.178 mi.
938 ft.

JIM & JACK AUTO BODY
307 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S101296171**
CA HIST CORTESE **N/A**

Relative:
Lower

Actual:
112 ft.

LUST:

Region:	STATE
Global Id:	T0603704033
Latitude:	33.9193645
Longitude:	-118.3963002
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/08/1992
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-13092
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704033
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603704033
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)

JIM & JACK AUTO BODY (Continued) **S101296171**

Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603704033
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0603704033
Status: Open - Site Assessment
Status Date: 10/02/1989

Global Id: T0603704033
Status: Completed - Case Closed
Status Date: 10/08/1992

Regulatory Activities:
Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Stopped

Global Id: T0603704033
Action Type: Other
Date: 09/26/1990
Action: Leak Reported

Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13092
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704033
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 10/2/1989
Date Leak First Reported: 9/26/1990
Date Leak Record Entered: 12/4/1990
Date Confirmation Began: Not reported

JIM & JACK AUTO BODY (Continued) **S101296171**

Date Leak Stopped:	10/2/1989	
Date Case Last Changed on Database:		10/8/1992
Date the Case was Closed:		10/8/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	KIZIRIAN, JAMES	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8074.487666780854504297629471
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		10/2/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	KEVORK TEXACO	
RP Address:	1605 GRAND AVE., E., EL SEGUNDO, 90245	
Program:	LUST	
Lat/Long:	33.9193645 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-13092

H31 **XEROX CORPORATION** **CA UST** **U003836567**
SE **1990 XEROX CENTER DRIVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.178 mi.
939 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
132 ft.

UST:

Facility ID:	300035
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.92223
Longitude:	-118.41122

I32
ESE
1/8-1/4
0.180 mi.
952 ft.

COMPUTER SCIENCES CORPORATION
2100 E. GRAND AVE.
EL SEGUNDO, CA 90245

CA UST **U003804630**
N/A

Site 1 of 2 in cluster I

Relative:
Higher

Actual:
121 ft.

UST:

Facility ID:	300024
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.919728
Longitude:	-118.389369

EL SEGUNDO UST:

Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Permanent Facility Closure
CERT Number:	03405
Permit Number:	30-0024
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	03/24/2008

I33
ESE
1/8-1/4
0.180 mi.
952 ft.

COMPUTER SCIENCES CORP
2100 E GRAND AVE
EL SEGUNDO, CA 90245

CA SWEEPS UST **S104872487**
CA LOS ANGELES CO. HMS **N/A**

Site 2 of 2 in cluster I

Relative:
Higher

Actual:
121 ft.

SWEEPS UST:

Status:	Active
Comp Number:	14075
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	013666-014075
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00005535T
Permit Status:	Closed

J34 **HUGHES AIRCRAFT CO EDSG** **RCRA-SQG** **1000241001**
WNW **360 N. SEPULVEDA BLVD** **FINDS** **CAD981397961**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.182 mi.
961 ft. **Site 1 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

RCRA-SQG:

Date form received by agency:	04/22/1986
Facility name:	HUGHES AIRCRAFT CO EDSG
Facility address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD981397961
Mailing address:	360 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact:	ENVIRONMENTAL MANAGER
Contact address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	(213) 616-5871
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LAX BUSINESS CENTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

HUGHES AIRCRAFT CO EDSG (Continued) **1000241001**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002693559

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000241001
Registry ID: 110002693559
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002693559

J35 **LAX BUSINESS CENTER** **CA SWEEPS UST** **S104872489**
WNW **360 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.182 mi.
961 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

SWEEPS UST:
Status: Active
Comp Number: 12164
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 012063-012164
Facility Type: 0

LAX BUSINESS CENTER (Continued) **S104872489**

Facility Status: Closed
Area: 2N
Permit Number: 00003788T
Permit Status: Closed

J36 **CA CHMIRS** **S109038786**
WNW **360 N SEPULVEDA** **N/A**
1/8-1/4 **EL SEGUNDO, CA 93001**
0.182 mi.
961 ft. **Site 3 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

CHMIRS:

OES Incident Number:	7-4022
OES notification:	07/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	El Sequndo DFD
Incident Date:	7/5/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business

(Continued) **S109038786**

E Date:	Not reported
Substance:	Diesel
Gallons:	40
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Gas truck was making a delivery and the truck hit a gate and started leaking.

J37 **EDR Hist Auto** **1015448207**
WNW **360 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.182 mi.
961 ft. **Site 4 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

EDR Historical Auto Stations:

Name:	9 TO 5 AUTO SERVICE
Year:	2001
Address:	360 N SEPULVEDA BLVD
Name:	9 TO 5 AUTO SERVICE
Year:	2002
Address:	360 N SEPULVEDA BLVD

K38 **HAGOP KIZIRIAN** **CA HIST UST** **U001563002**
West **307 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
966 ft. **Site 1 of 3 in cluster K**

Relative:
Lower

Actual:
105 ft.

HIST UST:

File Number:	00027E04
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E04.pdf
Region:	STATE
Facility ID:	00000040022
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	2136150672
Owner Name:	MOBIL OIL CORP
Owner Address:	612 S. FLOWER ST
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004

HAGOP KIZIRIAN (Continued) **U001563002**

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	1962
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

K39 **KEVORK TEXACO** **CA SWEEPS UST** **S100224390**
West **307 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
966 ft. **Site 2 of 3 in cluster K**

Relative:
Lower

Actual:
105 ft.

SWEEPS UST:

Status:	Active
Comp Number:	13092
Number:	9
Board Of Equalization:	44-010045
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013092-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN

KEVORK TEXACO (Continued) **S100224390**

STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA

KEVORK TEXACO (Continued) **S100224390**

Permit Category: T
Facility Id: 008473-013092
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00004818T
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 008473-I13092
Facility Type: 01
Facility Status: Closed
Area: 2N
Permit Number: 000010284
Permit Status: Closed

K40 **EDR Hist Auto** **1015409530**
West **307 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
966 ft. **Site 3 of 3 in cluster K**

Relative:
Lower

Actual:
105 ft.

EDR Historical Auto Stations:

Name: KEVORKS AUTOMOBILE SERVICE
Year: 1999
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTO REPAIR
Year: 2001
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTO REPAIR
Year: 2002
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2003
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2004
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2005
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2006
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2007
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2008

(Continued) **1015409530**

Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTO REPAIR
Year: 2009
Address: 307 N SEPULVEDA BLVD

J41 **LAX BUSINESS CENTER** **CA HIST UST** **S118412247**
NW **300 360 AND 390 N SEPULVEDA BL** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.189 mi.
998 ft. **Site 5 of 5 in cluster J**

Relative:
Higher

Actual:
122 ft.

HIST UST:
File Number: 00026699
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026699.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

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42 **TELEDYNE CONTROLS LLC** **RCRA-SQG** **1000241004**
North **501 CONTINENTAL BLVD** **FINDS** **CAD981407216**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.193 mi.
1020 ft.

Relative:
Higher

Actual:
117 ft.

RCRA-SQG:
Date form received by agency: 12/16/2015
Facility name: TELEDYNE CONTROLS LLC
Facility address: 501 CONTINENTAL BLVD
EL SEGUNDO, CA 90245 5036
EPA ID: CAD981407216
Mailing address: PO BOX 1026
EL SEGUNDO, CA 90245 1026
Contact: NOEL G LIRA
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245 5036
Contact country: US
Contact telephone: 310-765-3832

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Contact email: NOEL.LIRA@TELEDYNE.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CONTINENT PROPERTY LLC
Owner/operator address: W OLYMPIC BLVD 10TH FL C/O THE WONDERFUL COMPANY
LOS ANGELES, 90064
Owner/operator country: US
Owner/operator telephone: 310-966-5705
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/21/2010
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE CONTROLS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2016
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: 352
. Waste name: 352

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Historical Generators:
Date form received by agency: 02/28/2011
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

. Waste code: 181
. Waste name: 181

. Waste code: 331

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 08/02/2010
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/02/2006
Site name: TELEDYNE CONTROLS-A BUSINESS UNIT OF TEL
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

TELEDYNE CONTROLS LLC (Continued) **1000241004**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 05/08/1986
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002697261

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ECHO:
Envid: 1000241004
Registry ID: 110002697261
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002697261

43
SW
1/8-1/4
0.196 mi.
1037 ft.

100 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

EDR Hist Cleaner **1014966410**
N/A

Relative:
Lower

Actual:
113 ft.

EDR Historical Cleaners:
Name: WASH MULTIFAMILY LAUNDRY SYSTEMS
Year: 2011
Address: 100 N SEPULVEDA BLVD

H44 **XEROX CORP** **CA SWEEPS UST** **S102055537**
SE **101 CONTINENTAL** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.201 mi.
1061 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
133 ft.

SWEEPS UST:

Status:	Active
Comp Number:	15358
Number:	1
Board Of Equalization:	Not reported
Referral Date:	06-05-90
Action Date:	06-05-90
Created Date:	06-05-90
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HAZNET:

envid:	S102055537
Year:	2014
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	13.344
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S102055537
Year:	2013
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	15.429

XEROX CORP (Continued) **S102055537**

Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 014690-015358
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005893T
Permit Status: Closed

H45 **101 CONTINENTIAL PARTNERS LLC- (NORTHROP GRUMMAN)** **CA UST** **U004105660**
SE **101 CONTINENTAL BOULEVARD** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.201 mi.
1061 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
133 ft.

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Change of information
CERT Number: Not reported
Permit Number: 30-0493

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Diesel
Other Contents: Not reported
Active: Emergency generator fuel
Date Inspected: Not reported

L46 **ANODIZING INC** **CA AST** **S113170695**
NE **400 N CONTINENTAL BLVD** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.202 mi.
1069 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
115 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Not reported
Total Gallons: Not reported
CERSID: 10591615
Facility ID: Not reported
Business Name: Continental Grand Plaza II
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported

ANODIZING INC (Continued) **S113170695**

Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HAZNET:

envid:	S113170695
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Treatment, Incineration
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113170695
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	0.07
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113170695
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000

ANODIZING INC (Continued) **S113170695**

Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	0.36
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113170695
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113170695
Year:	2000
GEPAID:	CAP000072074
Contact:	--
Telephone:	5039721404
Mailing Name:	Not reported
Mailing Address:	400 N CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

L47 **SAPA ANODIZING INC** **RCRA-SQG** **1004676442**
NE **400 N CONTINENTAL BLVD** **FINDS** **CAR000085407**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.202 mi.
1069 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
115 ft.

RCRA-SQG:

Date form received by agency:	10/26/2000
Facility name:	SAPA ANODIZING INC
Facility address:	400 N CONTINENTAL BLVD CONTINENTAL GRAND PLAZA I I EL SEGUNDO, CA 90245
EPA ID:	CAR000085407
Mailing address:	7933 N E 21ST AVE PORTLAND, OR 97211
Contact:	BOB OKREN
Contact address:	7933 N E 21ST AVE PORTLAND, OR 97211
Contact country:	US
Contact telephone:	(503) 972-1404
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SAPA
Owner/operator address:	P O BOX 5505 SE 114 85 STOCKHOLM, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(503) 972-1404
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D000

SAPA ANODIZING INC (Continued) **1004676442**

. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: P003
. Waste name: 2-PROPENAL (OR) ACROLEIN

Violation Status: No violations found

FINDS:

Registry ID: 110012225797

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1004676442
Registry ID: 110012225797
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012225797

L48 **EDR Hist Cleaner** **1015054365**
NE **400 CONTINENTAL BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.202 mi.
1069 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
115 ft.

EDR Historical Cleaners:
Name: MAHOGANY CARPET CLEANING
Year: 2010
Address: 400 CONTINENTAL BLVD

Name: MAHOGANY CARPET CLEANING
Year: 2011
Address: 400 CONTINENTAL BLVD

Name: MAHOGANY CARPET CLEANING
Year: 2012
Address: 400 CONTINENTAL BLVD

49
WNW
1/8-1/4
0.210 mi.
1110 ft.

WALGREENS #9882
331 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

RCRA-CESQG

1019322491
CAL000327767

Relative:
Lower

Actual:
109 ft.

RCRA-CESQG:

Date form received by agency:	04/06/2016
Facility name:	WALGREENS #9882
Facility address:	331 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAL000327767
Mailing address:	GREYHAWK CT SUITE 200 CARLSBAD, CA 92010
Contact:	KARINA ROMERO
Contact address:	GREYHAWK CT SUITE 200 CARLSBAD, CA 92010
Contact country:	US
Contact telephone:	(760) 602-8700
Contact email:	REGULATORY@3ECOMPANY.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	WALGREEN CO.
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	11/23/2007
Owner/Op end date:	Not reported

Owner/operator name:	WALGREEN CO.
Owner/operator address:	WILMOT RD. DEERFIELD, IL 60015
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	11/23/2007
Owner/Op end date:	Not reported

WALGREENS #9882 (Continued) **1019322491**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 311
. Waste name: 311

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

M50 **RAYTHEON COMPANY** **CA UST** **U003836535**
South **2000 E. EL SEGUNDO BL. BLDG. E-1** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.211 mi.
1113 ft. **Site 1 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

EL SEGUNDO UST:

Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Permanent Facility Closure
CERT Number:	03418
Permit Number:	30-0131
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	12/15/1998

M51 **RAYTHEON CO** **CA ENVIROSTOR** **1008152328**
South **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA NPDES**
0.211 mi.
1113 ft. **Site 2 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

ENVIROSTOR:

Facility ID:	80001335
Status:	Active
Status Date:	01/01/2008
Site Code:	300331
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Richard Allen
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91631
Longitude:	-118.3934
APN:	NONE SPECIFIED
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description:	SOIL
Alias Name:	CAD000633230
Alias Type:	EPA Identification Number
Alias Name:	110018947826
Alias Type:	EPA (FRS #)
Alias Name:	300331
Alias Type:	Project Code (Site Code)
Alias Name:	80001335
Alias Type:	Envirostor ID Number

RAYTHEON CO (Continued) **1008152328**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Human Exposure Controlled
Completed Date:	09/21/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	09/07/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	08/18/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	01/17/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Workplan
Completed Date:	06/28/2012
Comments:	conditional appoval, field work to follow
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	06/25/2013
Comments:	field work begun
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Workplan Addendum
Completed Date:	12/05/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Report
Completed Date:	05/29/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Workplan Addendum
Completed Date:	10/11/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

RAYTHEON CO (Continued) **1008152328**

Completed Document Type: Technical Workplan
Completed Date: 10/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 12/24/1996
Comments: Not reported

RAYTHEON CO (Continued) **1008152328**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Selection and Statement of Basis
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Constructed
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Groundwater Migration Controlled
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Corrective Measures Study Report
Future Due Date:	2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	RFI Workplan
Schedule Due Date:	05/04/2017
Schedule Revised Date:	Not reported

CHMIRS:

OES Incident Number:	1-2235
OES notification:	04/07/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported

RAYTHEON CO (Continued) **1008152328**

What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Raytheon Company
Incident Date:	3/22/2011
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Antimony
Quantity Released:	39
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	HISTORIC REPORT: The caller is reporting that antimony (a soft metal) was in a load of debris sent to a landfill. The caller stated that the amount of antimony was well below the federal reportable quantity.

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	339622
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

RAYTHEON CO (Continued) **1008152328**

RECEIVED DATE:	5/9/2008
PROCESSED DATE:	1/16/2008
STATUS CODE NAME:	Active
STATUS DATE:	1/16/2008
PLACE SIZE:	143
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Mark Moloney
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-647-4196
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Raytheon Co
OPERATOR ADDRESS:	2000 E El Segundo Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Mark Moloney
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-647-4196
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

RAYTHEON CO (Continued) **1008152328**

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	189577
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I006187
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	8/23/2007
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	4/22/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	8/23/2007
PLACE SIZE:	143
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Uve Sillat
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-647-4195
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Hughes Aircraft Co
OPERATOR ADDRESS:	2000 E El Segundo Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	UVE Sillat
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-616-7316
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-647-4195
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported

RAYTHEON CO (Continued) **1008152328**

CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Pedro Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	3679-Electronic Components, NEC
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	339622
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported

RAYTHEON CO (Continued) **1008152328**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

M52 **CA AST** **S100276312**
South **2000 BLOCK E. EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 3 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Raytheon Company
Total Gallons:	Not reported
CERSID:	10131241
Facility ID:	Not reported
Business Name:	Raytheon Company
Phone:	310-647-4196
Fax:	310-647-4191
Mailing Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Raytheon Company

(Continued) **S100276312**

Operator Phone:	310-647-4196
Owner Phone:	310-647-4196
Owner Mail Address:	2000 E. El Segundo Blvd., Bldg E04 M/S N169
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAD000633230

CHMIRS:

OES Incident Number:	099174
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**03-MAY-90**
Property Use:	962
Agency Id Number:	19065
Agency Incident Number:	UNKNOWN
Time Notified:	825
Time Completed:	1135
Surrounding Area:	700
Estimated Temperature:	70
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	CAPT. JAMES O'BRIEN
Report Date:	03-MAY-90
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported

(Continued) **S100276312**

Incident Date:	03-MAY-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	13-MAY-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

M53 **BLDGS E1,E4,E6,E7** **CA AST** **A100323169**
South **2000 E. EL SEGUNDO BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.211 mi.
1113 ft. **Site 4 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	RAYTHEON
Total Gallons:	6,500
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported

BLDGS E1,E4,E6,E7 (Continued) **A100323169**

EPAID: Not reported

M54 **HUGHES AIRCRAFT COMPANY** **CA LUST** **S104406645**
South **2000 EL SEGUNDO BLVD E** **CA HIST CORTESE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 5 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

LUST:

Region:	STATE
Global Id:	T0603792958
Latitude:	33.9131995947745
Longitude:	-118.388929367065
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/22/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-10917
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	* Solvents
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603792958
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603792958
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603792958
Status:	Open - Case Begin Date
Status Date:	01/14/1986

Global Id:	T0603792958
Status:	Open - Site Assessment
Status Date:	04/21/1988

Global Id:	T0603792958
Status:	Open - Remediation

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Status Date: 05/04/1995

Global Id: T0603792958
Status: Completed - Case Closed
Status Date: 07/22/1996

Regulatory Activities:
Global Id: T0603792958
Action Type: Other
Date: 01/14/1986
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10917
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: VEGT
Global ID: T0603792958
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: CONTINENTAL BLVD
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/14/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/15/1996
Date the Case was Closed: 7/22/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: AREA EOS, BUILDING E-07
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6965.1556450590234266996340924
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/21/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: 5/4/1995
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HUGHES ELECTRO-OPTICAL & DSG.
RP Address: P.O. BOX 902, EL SEGUNDO CA 90243
Program: LUST
Lat/Long: 33.916304 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: WDR HAS BEEN ISSUED. WDR WILL BE USED ALONG WITH INDUSTRIAL WASTE PERMIT FUEL AND SOLVENT CONTAMINATION. 11/15/96 - WELL ABANDONMENT REPORT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10917X

M55 **RAYTHEON SYSTEMS COMPANY** **CA UST** **U003782150**
South **2000 E. EL SEGUNDO BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 6 of 7 in cluster M**

Relative: UST:
Higher Facility ID: 300131
Permitting Agency: EL SEGUNDO, CITY OF
Actual: Latitude: 33.9162267
119 ft. Longitude: -118.3877344

M56 **CA CHMIRS** **S105638538**
South **2000 EAST EL SEGUNDO BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 7 of 7 in cluster M**

Relative: CHMIRS:
Higher OES Incident Number: 3-6407
OES notification: 12/12/2003
Actual: OES Date: Not reported
119 ft. OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported

(Continued) **S105638538**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Raytheon Co.
Incident Date:	12/12/200312:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	treated waste water
Gallons:	1000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release occurred when a line was ruptured while removing an underground storage tank with a back hole. It discharged into the soil.

(Continued) **S105638538**

OES Incident Number:	10719
OES notification:	Not reported
OES Date:	10/30/1995
OES Time:	05:50:02 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain leads to san pedro bay
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	hughes aircraft company
Incident Date:	2400/30, Oct 95
Admin Agency:	Not reported
Amount:	100-150 gals.
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	industrial waste water ph at 3-4 (water containing trace metals, chrome, nickel, silver, copper)
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

(Continued) **S105638538**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	overflow in one of the waste treatment tanks and water flowed over the top of containment structure, flowing into the parking lot and into the storm drain. pumps shut off to stop the flow between 0030 and 0100 am.

N57 **HUGHES AIRCRAFT CO EDSG** **CA SWEEPS UST** **1000240981**
SE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA Financial Assurance**
0.261 mi. **CA ICE**
1380 ft. **Site 1 of 5 in cluster N** **CA HWP**

Relative:
Higher

Actual:
129 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	12

Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	10917
Number:	Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000007

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000041
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000042
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000043
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000044
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000045
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000046
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 34

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000010
Tank Status: A

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000011
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000012
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000013
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000014
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000015
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000016
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000017
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000018
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000019
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000020
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000021
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000022
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000023
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000025
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000026
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000027
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000028
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000029
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000030
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000031
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000032
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000033
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000034
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000035
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000036
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000037
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000038
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000039
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000040
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

CHMIRS:

OES Incident Number:	08-8955
OES notification:	12/16/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1420
Year:	2008
Agency:	Ratheon Company
Incident Date:	12/16/2008
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Storm drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP advised his agency found an abandoned container with approximately 5 gallons of motor oil or crank oil in their parking lot.
OES Incident Number:	10-5897
OES notification:	09/30/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1010
Year:	2010
Agency:	Raytheon

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Incident Date:	9/30/2010
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaking fuel return line from an underground storage tank system.

CA Financial Assurance 1:

EPA ID Number:	CAD000633230
Sudden Amount1:	$2,000,000.00
Non Sudden Amount1:	Not reported
Closure Mechanism:	LOC
Closure Amount:	$921,482.00
Post Closure Mechanism:	Not reported
Post Closure Amount:	Not reported
Corrective Action Mechanism:	Not reported
Corrective Action Amount:	Not reported
Sudden Mechanism Type:	LOC
Sudden Mechanism Amount:	$1,000,000.00
Non Sudden Mechanism Type:	Not reported
Non Sudden Mechanism Amount:	Not reported
O and M Mechanism Type:	Not reported
O and M Amount:	Not reported

ICE:

Envirostor ID:	3000609
EPA ID:	CAD000633230
Site Type:	INSPECTION
Facility Status:	No Action

Enforcement:

Action Type:	Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date:	09/18/2002

Inspection:

Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Action Date: 02/22/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/27/2000
Violation Class: Class 1, Minor
RTC Date: 09/06/2002

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/18/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/20/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/03/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/08/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/1999
Violation Class: No Violations

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/29/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/10/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/21/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/24/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2005
Violation Class: No Violations
RTC Date: Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

HWP:

EPA Id:	CAD000633230
Cleanup Status:	OPERATING PERMIT
Latitude:	33.91183
Longitude:	-118.3894
Facility Type:	Permitted - Operating
Facility Size:	Small Storage
Team:	PHILLIP BLUM
Supervisor:	LIANG CHIANG
Site Code:	300331
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	10/22/2013

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	10/22/2013

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date:	08/17/2007

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	08/06/2007

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	04/26/1985

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	06/22/1995

EPA Id:	CAD000633230
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	10/08/2017

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 01/28/1997

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 12/05/2013

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 06/14/1996

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/29/1983

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 01/27/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/31/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 08/17/2016

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 10/06/2015

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 10/01/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 04/06/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 12/24/1996

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/29/1996

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/12/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/07/1983

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 08/31/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 06/12/1990

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/1994

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 08/06/2007

Alias:
EPA Id: CAD000633230
Facility Type: Permitted - Operating

HUGHES AIRCRAFT CO EDSG (Continued) **1000240981**

Alias Type: FRS
Alias: 110018947826

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 300331

N58 **RAYTHEON COMPANY** **SEMS-ARCHIVE** **1015732613**
SE **2000 E. EL SEGUNDO BLVD.** **CORRACTS** **CAD000633230**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.261 mi. **RCRA-LQG**
1380 ft. **Site 2 of 5 in cluster N** **US FIN ASSUR**
2020 COR ACTION
Relative: **NY MANIFEST**
Higher

Actual: SEMS-ARCHIVE:
129 ft. Site ID: 903300
EPA ID: CAD000633230
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903300
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13287491.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293086.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298944.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/12/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: DISCOVERY
Date Started: / /
Date Completed: 05/21/91
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /

RAYTHEON COMPANY (Continued) **1015732613**

Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA029WQ
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA049PA
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA050 - RFA Completed
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120319
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813

RAYTHEON COMPANY (Continued) **1015732613**

Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20120228
Schedule end date: 20120531

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150921
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20151229
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920124
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 19920124
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920124
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 19920124
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150324
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 20141231
Schedule end date: 20150301

RAYTHEON COMPANY (Continued) **1015732613**

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130625
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120628
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150529
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/25/2016
Facility name: RAYTHEON COMPANY
Facility address: 2000 E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD. EO/E04/N131
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

RAYTHEON COMPANY (Continued) **1015732613**

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	(718) 768-3991
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/18/1997
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/18/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	A
Accumulated waste on-site:	No
Generated waste on-site:	Yes

Waste type:	E
Accumulated waste on-site:	No
Generated waste on-site:	Yes

RAYTHEON COMPANY (Continued) **1015732613**

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 141
. Waste name: 141

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 291
. Waste name: 291

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 731
. Waste name: 731

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U188
. Waste name: PHENOL

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Historical Generators:
Date form received by agency: 03/01/2014
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 123
. Waste name: 123

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

RAYTHEON COMPANY (Continued) **1015732613**

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 07/26/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 123
. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U188
. Waste name: PHENOL

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 06/08/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

RAYTHEON COMPANY (Continued) **1015732613**

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

RAYTHEON COMPANY (Continued) **1015732613**

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: 123

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 171
. Waste name: 171

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 241
. Waste name: 241

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 711
. Waste name: 711

. Waste code: 741

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

RAYTHEON COMPANY (Continued) **1015732613**

CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL

RAYTHEON COMPANY (Continued) **1015732613**

METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT

RAYTHEON COMPANY (Continued) **1015732613**

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS

RAYTHEON COMPANY (Continued) **1015732613**

Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 03/26/1996
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 04/13/1992
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

RAYTHEON COMPANY (Continued) **1015732613**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 27150

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 12650

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 5496

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 5496

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 17142

Waste code: D008
Waste name: LEAD
Amount (Lbs): 5933

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 95

Waste code: D011
Waste name: SILVER
Amount (Lbs): 5503

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 10060

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 6117

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 2810

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,

RAYTHEON COMPANY (Continued) **1015732613**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 621

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 621

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 23358

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 17862

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 17940

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 5496

RAYTHEON COMPANY (Continued) **1015732613**

Waste code: U068
Waste name: METHANE, DIBROMO-
Amount (Lbs): 5496

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE
Amount (Lbs): 5496

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 5496

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 5496

Corrective Action Summary:

Event date: 09/07/1991
Event: CA029WQ

Event date: 09/07/1991
Event: CA049PA

Event date: 09/07/1991
Event: RFA Completed

Event date: 09/07/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 01/24/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 01/24/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 03/19/2012
Event: RFI Workplan Received

Event date: 06/28/2012
Event: RFI Workplan Approved

Event date: 06/25/2013
Event: RFI Supplemental Implementation Begun

Event date: 03/24/2015
Event: RFI Report Received

Event date: 05/29/2015

RAYTHEON COMPANY (Continued) **1015732613**

Event: RFI Approved

Event date: 09/21/2015
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/22/2006
Date achieved compliance: 07/21/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/27/2000

RAYTHEON COMPANY (Continued) **1015732613**

Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994

RAYTHEON COMPANY (Continued) **1015732613**

Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State

RAYTHEON COMPANY (Continued) **1015732613**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/22/1991
Date achieved compliance: 01/06/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE

RAYTHEON COMPANY (Continued) **1015732613**

Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989

RAYTHEON COMPANY (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/23/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/10/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation date: 09/02/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 03/08/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/2002
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 01/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/28/1994
Evaluation lead agency: State

Evaluation date: 11/22/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

RAYTHEON COMPANY (Continued) **1015732613**

Date achieved compliance: 01/06/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/26/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/06/1994
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD000633230
Provider: INTESA SANPAOLO
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093074-793
Cost estimate: 839820
Face value: 850731
Effective date: 2009-05-20 00:00:00

EPA ID: CAD000633230
Provider: INTESA SANPAOLO
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093048-793
Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-05-30 00:00:00

2020 COR ACTION:
EPA ID: CAD000633230
Region: 9
Action: Not reported

NY MANIFEST:
Country: USA
EPA ID: CAD000633230
Facility Status: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Location Address 1:	2000 EL SEGUNDO BOULEVARD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	EL SEGUNDO
Location State:	CA
Location Zip:	90245
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD000633230
Mailing Name:	HUGHES AIRCRAFT COMPANY
Mailing Contact:	DEAN D RICHARDSON
Mailing Address 1:	2000 EL SEGUNDO BOULEVARD
Mailing Address 2:	Not reported
Mailing City:	SEGUNDO
Mailing State:	CA
Mailing Zip:	90245
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136165284

NY MANIFEST:

Document ID:	NYB7216461
Manifest Status:	Not reported
seq:	01
Year:	1999
Trans1 State ID:	Not reported
Trans2 State ID:	71071NNY
Generator Ship Date:	08/17/1999
Trans1 Recv Date:	08/17/1999
Trans2 Recv Date:	08/20/1999
TSD Site Recv Date:	09/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Waste Code:	Not reported
Quantity:	00018
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYB7216461
Manifest Status:	Not reported
seq:	02
Year:	1999
Trans1 State ID:	Not reported
Trans2 State ID:	71071NNY
Generator Ship Date:	08/17/1999
Trans1 Recv Date:	08/17/1999
Trans2 Recv Date:	08/20/1999
TSD Site Recv Date:	09/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372

RAYTHEON COMPANY (Continued) **1015732613**

TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00220
Units:	P - Pounds
Number of Containers:	006
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYC5731266
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71071NNY
Generator Ship Date:	02/07/2001
Trans1 Recv Date:	02/07/2001
Trans2 Recv Date:	02/09/2001
TSD Site Recv Date:	02/22/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYC5731312
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71072NNY
Generator Ship Date:	06/28/2001
Trans1 Recv Date:	06/28/2001
Trans2 Recv Date:	07/02/2001
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	010
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	003
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYC5730840
Manifest Status:	Not reported
seq:	01
Year:	2000
Trans1 State ID:	Not reported
Trans2 State ID:	71070NNY
Generator Ship Date:	01/19/2000
Trans1 Recv Date:	01/19/2000
Trans2 Recv Date:	01/27/2000
TSD Site Recv Date:	02/09/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	004
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00105
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

Document ID:	NYB1551150
Manifest Status:	K
seq:	Not reported
Year:	1990
Trans1 State ID:	105297
Trans2 State ID:	11340PNY
Generator Ship Date:	08/06/1990
Trans1 Recv Date:	08/06/1990
Trans2 Recv Date:	08/08/1990
TSD Site Recv Date:	08/20/1990

RAYTHEON COMPANY (Continued) **1015732613**

Part A Recv Date:	09/05/1990
Part B Recv Date:	09/07/1990
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00008
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

N59 **HUGHES AIRCRAFT COMPANY** **CA RGA LUST** **S114633837**
SE **2000 EL SEGUNDO BLVD, E.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.261 mi.
1380 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

Actual:
129 ft.

RGA LUST:

1994	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD, E.
1993	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD, E.

N60 **HUGHES AIRCRAFT COMPANY** **CA RGA LUST** **S114633835**
SE **2000 EL SEGUNDO BLVD E** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.261 mi.
1380 ft. **Site 4 of 5 in cluster N**

Relative:
Higher

Actual:
129 ft.

RGA LUST:

2012	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2011	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2010	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2009	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2008	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2007	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E

HUGHES AIRCRAFT COMPANY (Continued) **S114633835**

2006	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2005	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2003	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2002	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2001	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2000	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
1998	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
1997	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E

N61 **HUGHES AIRCRAFT** **CA RGA LUST** **S114633855**
SE **2000 EL SEGUNDO BLVD E** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.261 mi.
1380 ft. **Site 5 of 5 in cluster N**

Relative:
Higher

Actual:
129 ft.

RGA LUST:

1996	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E
1995	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E

---

62 **JOE BABB CHEVRON** **CA LUST** **U003064093**
SW **101 S SEPULVEDA BLVD** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.263 mi. **CA LOS ANGELES CO. HMS**
1388 ft.

Relative:
Lower

Actual:
111 ft.

LUST:

Region:	STATE
Global Id:	T0603703512
Latitude:	33.9158106
Longitude:	-118.3961311
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/26/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-09890
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703512
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603703512
Contact Type:	Regional Board Caseworker

JOE BABB CHEVRON (Continued) **U003064093**

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603703512
Status: Open - Case Begin Date
Status Date: 06/22/1993

Global Id: T0603703512
Status: Open - Site Assessment
Status Date: 06/22/1993

Global Id: T0603703512
Status: Open - Remediation
Status Date: 08/16/1995

Global Id: T0603703512
Status: Completed - Case Closed
Status Date: 08/26/1996

Regulatory Activities:
Global Id: T0603703512
Action Type: Other
Date: 06/22/1993
Action: Leak Reported

Global Id: T0603703512
Action Type: Other
Date: 06/22/1993
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09890
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703512
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: EL SEGUNDO BLVD
Enforcement Type: Not reported
Date Leak Discovered: 6/22/1993
Date Leak First Reported: 6/22/1993
Date Leak Record Entered: 7/22/1993

JOE BABB CHEVRON (Continued) **U003064093**

Date Confirmation Began:	6/22/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/29/1998
Date the Case was Closed:		8/26/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	CHEVRON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6942.1216422851674645778665277
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		8/16/1995
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		550
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	P.O. BOX 2833, LA HABRA, CA 90632-2833	
Program:	LUST	
Lat/Long:	33.9158106 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	PLAN TO IMPLEMENT IN 60 DAYS IF NO RESPONSE FROM RWB 03/28/96 REQURST FOR SITE CLOSURE.	

SWEEPS UST:

Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

JOE BABB CHEVRON (Continued) **U003064093**

Content: Not reported
Number Of Tanks: 8

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9

JOE BABB CHEVRON (Continued) **U003064093**

Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000008

JOE BABB CHEVRON (Continued) **U003064093**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09890

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 008432-I09890
Facility Type: 01
Facility Status: Removed
Area: 2N
Permit Number: 000010297
Permit Status: Removed

O63 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602719**
West **150 ILLINOIS STREET** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.283 mi.
1493 ft. **Site 1 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

RGA LUST:

1994	CITY OF EL SEGUNDO	150 ILLINOIS STREET
1993	CITY OF EL SEGUNDO	150 ILLINOIS STREET

O64 **CITY OF EL SEGUNDO** **CA LUST** **S105245837**
West **150 ILLINOIS ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.283 mi.
1493 ft. **Site 2 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-20565
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705310
W Global ID: Not reported
Staff: UNK
Local Agency: 19013

CITY OF EL SEGUNDO (Continued) **S105245837**

Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		7/1/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	7/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HILTON, JACK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7644.2494960799073652181337702
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF EL SEGUNDO	
RP Address:	150 ILLINOIS STREET, EL SEGUNDO, CA 90245	
Program:	LUST	
Lat/Long:	33.9169335 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000001
Tank Status:	A
Capacity:	Not reported

CITY OF EL SEGUNDO (Continued) **S105245837**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CITY OF EL SEGUNDO (Continued) **S105245837**

Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000005
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

O65 **CITY OF EL SEGUNDO** **CA LUST** **S100224384**
West **150 ILLINOIS ST** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.283 mi.
1493 ft. **Site 3 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

LUST:

Region:	STATE
Global Id:	T0603705310
Latitude:	33.9171671
Longitude:	-118.3982757
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/26/2006
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-20565
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

CITY OF EL SEGUNDO (Continued) **S100224384**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705310
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705310
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705310
Status:	Open - Case Begin Date
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Open - Site Assessment
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Completed - Case Closed
Status Date:	07/26/2006

Regulatory Activities:

Global Id:	T0603705310
Action Type:	Other
Date:	07/01/1986
Action:	Leak Reported

CHMIRS:

OES Incident Number:	991567
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**30-SEP-88**
Property Use:	600
Agency Id Number:	19065
Agency Incident Number:	13696
Time Notified:	1323
Time Completed:	1448
Surrounding Area:	700
Estimated Temperature:	80
Property Management:	C

CITY OF EL SEGUNDO (Continued) **S100224384**

More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	10
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	O'BRIEN
Report Date:	30-SEP-88
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	30-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA

CITY OF EL SEGUNDO (Continued) **S100224384**

Reg Id: R-20565

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 263

O66 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602717**
West **150 ILLINOIS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.283 mi.
1493 ft. **Site 4 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

RGA LUST:

2012	CITY OF EL SEGUNDO	150 ILLINOIS ST
2011	CITY OF EL SEGUNDO	150 ILLINOIS ST
2010	CITY OF EL SEGUNDO	150 ILLINOIS ST
2009	CITY OF EL SEGUNDO	150 ILLINOIS ST
2008	CITY OF EL SEGUNDO	150 ILLINOIS ST
2007	CITY OF EL SEGUNDO	150 ILLINOIS ST
2006	CITY OF EL SEGUNDO	150 ILLINOIS ST
2005	CITY OF EL SEGUNDO	150 ILLINOIS ST
2003	CITY OF EL SEGUNDO	150 ILLINOIS ST
2002	CITY OF EL SEGUNDO	150 ILLINOIS ST
2001	CITY OF EL SEGUNDO	150 ILLINOIS ST
2000	CITY OF EL SEGUNDO	150 ILLINOIS ST
1998	CITY OF EL SEGUNDO	150 ILLINOIS ST
1997	CITY OF EL SEGUNDO	150 ILLINOIS ST
1996	CITY OF EL SEGUNDO	150 ILLINOIS ST
1995	CITY OF EL SEGUNDO	150 ILLINOIS ST

O67 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724448**
West **1700 EAST GRAND AVENUE** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.286 mi.
1509 ft. **Site 5 of 6 in cluster O**

Relative:
Higher

Actual:
115 ft.

RGA LF:

2008	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2007	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2006	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2005	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2004	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2003	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2002	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2001	A AND A WASTE	ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE

O68 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724449**
West **1700 EAST GRAND AVENUE** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.286 mi.
1509 ft. **Site 6 of 6 in cluster O**

Relative:
Higher

Actual:
115 ft.

RGA LF:

2009 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE

P69 **NORTHROP CORP-AIRCRAFT DIV** **CA ENVIROSTOR** **S118757542**
NNE **2031 E MARIPOSA AVE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90250**
0.335 mi.
1769 ft. **Site 1 of 3 in cluster P**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:

Facility ID:	80001646
Status:	No Action Required
Status Date:	06/19/2013
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Katherine Gould
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92470
Longitude:	-118.3907
APN:	4138019002
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	CAD009687336
Alias Type:	EPA Identification Number
Alias Name:	80001646
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/30/1990
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

NORTHROP CORP-AIRCRAFT DIV (Continued) **S118757542**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

P70 **NORTHROP CORP AIRCRAFT DIV** **RCRA-TSDF** **1000409965**
NNE **2031 E MARIPOSA AVE** **RCRA NonGen / NLR** **CAD009687336**
1/4-1/2 **EL SEGUNDO, CA 90245** **FINDS**
0.335 mi. **ECHO**
1769 ft. **Site 2 of 3 in cluster P**

Relative:
Lower

Actual:
107 ft.

RCRA-TSDF:
Date form received by agency: 09/24/1998
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2031 E MARIPOSA AVE
EL SEGUNDO, CA 90245
EPA ID: CAD009687336
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: MARY ELAINE PALACIO
Contact address: ONE HORNET WY
EL SEGUNDO, CA 902452804
Contact country: US
Contact telephone: (310) 332-4114
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address: 2031 EAST MARIPOSA AVE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address: 2031 EAST MARIPOSA AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/09/1993
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: CA029ST

Event date: 04/30/1990
Event: CA049PA

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/26/1987
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/13/1987
Date achieved compliance: 08/03/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Evaluation Action Summary:
Evaluation date: 06/26/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 01/13/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/03/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110008261139

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000409965
Registry ID: 110008261139
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110008261139

P71 **MATTEL TOYS INC** **RCRA-LQG** **1000472823**
NNE **2031 MARIPOSA** **FINDS** **CAD982433401**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HWP**
0.335 mi. **CA NPDES**
1769 ft. **Site 3 of 3 in cluster P** **CA WDS**
ECHO

Relative:
Lower

Actual:
107 ft.

RCRA-LQG:
Date form received by agency: 02/24/2010
Facility name: MATTELL INC.
Facility address: 2031 MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD982433401
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: NAVREET UPPAL
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 252-3526
Contact email: NAVREET.UPPAL@MATTEL.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

MATTEL TOYS INC (Continued) **1000472823**

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	KILROY INDUSTRIES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MATTEL INC.
Owner/operator address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	(310) 252-2000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1991
Owner/Op end date:	Not reported

Owner/operator name:	MATTEL INC.
Owner/operator address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	(310) 252-2000
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1991
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

MATTEL TOYS INC (Continued) **1000472823**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Historical Generators:

MATTEL TOYS INC (Continued) **1000472823**

Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Small Quantity Generator

Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 726
. Waste name: 726

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007

MATTEL TOYS INC (Continued) **1000472823**

. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: MATTEL DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: MATTEL, INC.
Classification: Large Quantity Generator

Date form received by agency: 12/05/1990
Site name: MATTEL TOYS DESIGN CENTER
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Area of violation: TSD IS-Container Use and Management
Date violation determined: 09/24/2015
Date achieved compliance: 09/25/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/24/2015
Date achieved compliance: 09/25/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 09/24/2015
Date achieved compliance: 09/24/2015
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 09/25/2015
Evaluation lead agency: EPA

Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 09/24/2015
Evaluation lead agency: EPA

Evaluation date: 09/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport

MATTEL TOYS INC (Continued) **1000472823**

Date achieved compliance: 09/25/2015
Evaluation lead agency: EPA

FINDS:

Registry ID: 110000784982

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HWP:
EPA Id: CAD009687336
Cleanup Status: PROTECTIVE FILER
Latitude: 34.03808
Longitude: -118.2983
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 53
Senate District: 24
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD009687336
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 07/21/1988

EPA Id: CAD009687336
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 06/25/1984

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 188987
Order No: Not reported
Regulatory Measure Type: Industrial

MATTEL TOYS INC (Continued) **1000472823**

Place Id:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	4/1/1992
STATUS CODE NAME:	Active
STATUS DATE:	4/1/1992
PLACE SIZE:	9
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Navreet Uppal
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-252-3526
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	navreet.uppal@mattel.com
OPERATOR NAME:	Mattel Toys
OPERATOR ADDRESS:	333 Continental Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Navreet Uppal
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-252-3526
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	navreet.uppal@mattel.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-252-3570
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Pedro Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	3942-Dolls and Stuffed Toys
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	188987
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I002527
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3102523570
Facility Contact:	TOM BOXWELL
Agency Name:	MATTEL TOYS INC.
Agency Address:	333 Continental Blvd.
Agency City,St,Zip:	El Segundo 902455012
Agency Contact:	TOM BOXWELL
Agency Telephone:	3102523570
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

ECHO:

Envid:	1000472823
Registry ID:	110000784982
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110000784982

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72 **WEST COAST BARRIER PROJ 9** **CA SLIC** **S105640109**
SW **EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA WDS**
0.349 mi.
1843 ft.

Relative:
Lower

Actual:
96 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/30/2002
Global Id:	SL599992902
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9164
Longitude:	-118.377551
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0038B
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	08658
OES notification:	Not reported
OES Date:	6/13/1995
OES Time:	07:39:15 PM

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	NONE REQUIRED
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	WEST BASIN WATER RECLAMATION DIST
Incident Date:	1815 6/13/95
Admin Agency:	Not reported
Amount:	500 GAL
Contained:	NO
Site Type:	RD
E Date:	Not reported
Substance:	RECLAIMED WATER
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: SUMP OVERFLOWED

WDS:
Facility ID: Los Angeles River 196000415
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAG994005 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 6264586303
Facility Contact: Ed Gerlits
Agency Name: LA CO DEPT OF PUBLIC WORKS
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: County
SIC Code: 9999
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: MISCEL
Waste Type2: Not reported
Waste2: Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: 0
Complexity: Not reported

Q73 **ALLIED SALES & SALVAGE** **SEMS-ARCHIVE** **1003878356**
SSW **160 S SEPULVEDA BLVD** **CAD063821789**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.355 mi.
1875 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
110 ft.

SEMS-ARCHIVE:
Site ID: 901503
EPA ID: CAD063821789
Federal Facility: N
NPL: Not on the NPL

ALLIED SALES & SALVAGE (Continued) **1003878356**

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0901503
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13289942.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295537.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301395.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: R & S SHERWOOD (OWNER)
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: 05/01/86
Date Completed: 01/01/87
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/01/88
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 06/01/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: DISCOVERY
Date Started: / /
Date Completed: 05/01/86
Priority Level: Not reported

Q74 **ALLIED SALES & SALVAGE** **CA ENVIROSTOR S105023637**
SSW **160 SEPULVEDA** **CA HIST CORTESE N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.355 mi.
1875 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
110 ft.

ENVIROSTOR:
Facility ID: 19500011
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical

ALLIED SALES & SALVAGE (Continued) **S105023637**

Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91447
Longitude: -118.3954
APN: 4138014016
Past Use: NONE SPECIFIED
Potential COC: * CONTAMINATED SOIL * WASTE OIL & MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 4138014016
Alias Type: APN
Alias Name: CAD063821789
Alias Type: EPA Identification Number
Alias Name: 19500011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: Site Screening Done: DHS will concur with EPA recommendation of NFA due to the minimal quantity of oil disposed of and the fact that the stained areas have been cleaned up. Site will be referred to Los Angeles County Health Dept. Site removed from Cortese.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/02/1987
Comments: Site Screening Done: Evidence of a small amount of onsite disposal found.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/13/1981
Comments: Facility identified via Abandoned Chemical Waste Disposal Survey. Questionnaire received. Years of Operation: 1957 to present.

ALLIED SALES & SALVAGE (Continued) **S105023637**

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19500011

75
WNW
1/4-1/2
0.370 mi.
1955 ft.

Relative:
Higher

Actual:
120 ft.

INERNATIONAL RECTIFIER **SEMS-ARCHIVE** **1000216983**
1521 GRAND AVE **RCRA-LQG** **CAD076208313**
EL SEGUNDO, CA 90245 **CA LUST**
CA SWEEPS UST
CA HIST UST
US AIRS
FINDS
CA HIST CORTESE
WI MANIFEST
ECHO

SEMS-ARCHIVE:
Site ID: 905276
EPA ID: CAD076208313
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0905276
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285338.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290933.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296791.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 08/23/95
Priority Level: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 09/24/96
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/24/96
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-LQG:
Date form received by agency: 04/17/2008
Facility name: INTERNATIONAL RECTIFIER
Facility address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
EPA ID: CAD076208313
Contact: DIANE E NIX
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (310) 726-8291
Contact email: DNIX1@IRF.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: INTERNATIONAL RECTFIER
Owner/operator address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1948
Owner/Op end date: Not reported

Owner/operator name: INTERNATIONAL RECTIFIER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1948

INERNATIONAL RECTIFIER (Continued) **1000216983**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U219
. Waste name: THIOUREA

Historical Generators:
Date form received by agency: 04/06/2007
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

INERNATIONAL RECTIFIER (Continued) **1000216983**

. Waste code: D011
. Waste name: SILVER

Date form received by agency: 02/28/2006
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: 212
. Waste name: 212

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 03/01/2004
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 03/01/2002
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

INERNATIONAL RECTIFIER (Continued) **1000216983**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Date form received by agency: 10/12/2000
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: INTERNATIONAL RECTIFIER CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1996
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 02/14/1992
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130489
Status: Remedial action (cleanup) Underway
Substance: Waste Water
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701959
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: CASPIAN

INERNATIONAL RECTIFIER (Continued) **1000216983**

Enforcement Type: Not reported
Date Leak Discovered: 2/27/1990
Date Leak First Reported: 6/6/1990
Date Leak Record Entered: 6/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 2/27/1990
Date Case Last Changed on Database: 6/6/1990
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Other Source
Operator: OLD CASE #960119-01
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15746.384384197494096821245649
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 2/27/1990
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PRINT L.A. INC.
RP Address: 1520 16TH ST., W., LONG BEACH, 90813
Program: LUST
Lat/Long: 33.7870927 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

INERNATIONAL RECTIFIER (Continued) **1000216983**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000019020
Facility Type: Other
Other Type: SEMICONDUCTOR
Contact Name: ROBERT H. SMITH
Telephone: 2133223331
Owner Name: INTERNATIONAL RECTIFIER
Owner Address: 233 KANSAS ST.
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0003

Tank Num: 001
Container Num: 5755
Year Installed: 1980
Tank Capacity: 00006000

INERNATIONAL RECTIFIER (Continued) **1000216983**

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 002
Container Num: 5754
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: 10

Tank Num: 003
Container Num: 5753
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-09-11 00:00:00
Activity Status Date: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN

INERNATIONAL RECTIFIER (Continued) **1000216983**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956

INERNATIONAL RECTIFIER (Continued) **1000216983**

Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110064159119

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

INERNATIONAL RECTIFIER (Continued) **1000216983**

AIR MINOR

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908130489

WI MANIFEST:
Year: 2006
EPA ID: CAD076208313
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Year: 2005
EPA ID: CAD076208313
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

ECHO:
Envid: 1000216983
Registry ID: 110064159119
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110064159119

R76 **AMPEX CORPORATION** **CA LUST** **1000225587**
ESE **200 N NASH ST** **CA HIST UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA ENF**
0.374 mi. **CA HIST CORTESE**
1976 ft. **Site 1 of 3 in cluster R** **CA LOS ANGELES CO. HMS**

Relative:
Lower

Actual:
103 ft.

LUST:
Region: STATE
Global Id: T0603705447
Latitude: 33.917679
Longitude: -118.386245

AMPEX CORPORATION (Continued) **1000225587**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/21/1998
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	Not reported
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	R-24347
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705447
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603705447
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705447
Status:	Open - Case Begin Date
Status Date:	01/01/1986

Global Id:	T0603705447
Status:	Open - Site Assessment
Status Date:	01/01/1986

Global Id:	T0603705447
Status:	Completed - Case Closed
Status Date:	05/21/1998

Regulatory Activities:

Global Id:	T0603705447
Action Type:	Other
Date:	01/01/1986
Action:	Leak Reported

Global Id:	T0603705447
Action Type:	REMEDIATION
Date:	04/02/2008
Action:	Not reported

AMPEX CORPORATION (Continued) **1000225587**

Global Id: T0603705447
Action Type: ENFORCEMENT
Date: 04/02/2008
Action: * No Action

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-24347
Status: Leak being confirmed
Substance: Methylene Chloride
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705447
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/1/1986
Date Leak Record Entered: 1/23/1996
Date Confirmation Began: 1/1/1986
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/18/1996
Date the Case was Closed: Not reported
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: OLD CASE#90240043
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6255.07641072464880777768218754
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: AMPEX CORPORATION
RP Address: 401 BROADWAY, MS 1-40, REDWOOD CITY 94063-3199
Program: LUST

AMPEX CORPORATION (Continued) **1000225587**

Lat/Long:	33.9180117 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	NON-FUEL SOIL CONTAMINATION CASE. NOT IN DPW MAGIC BOOK / LOP CASE FILES LA CO DPW IS THE LEAD AGENCY FOR AMPEX CORP.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000068973
Facility Type:	Other
Other Type:	ELECTRONICS MFG.
Contact Name:	EL SEGUNDO BOULEVARD
Telephone:	2136400150
Owner Name:	AMPEX CORPORATION - COMPUTER P
Owner Address:	200 NORTH NASH STREET
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00000350
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	X
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1976
Tank Capacity:	00001250
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

ENF:

Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported

AMPEX CORPORATION (Continued) **1000225587**

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	238001
Region:	4
Order / Resolution Number:	SEL
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/23/2000
Adoption/Issuance Date:	Not reported

AMPEX CORPORATION (Continued) **1000225587**

Achieve Date:	Not reported
Termination Date:	08/23/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 8/23/00 for failure to pay AGT fee.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186

AMPEX CORPORATION (Continued) **1000225587**

Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236909
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/05/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/05/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 6/5/01 for failure to pay fees.
	Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-24347

AMPEX CORPORATION (Continued) **1000225587**

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 017724-024347
Facility Type: 1
Facility Status: Closed
Area: 2N
Permit Number: 000187070
Permit Status: Closed

R77 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571438**
ESE **200 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.374 mi.
1976 ft. **Site 2 of 3 in cluster R**

Relative:
Lower

Actual:
103 ft.

RGA LUST:

2012	AMPEX CORPORATION SITE	200 NASH ST N
2011	AMPEX CORPORATION SITE	200 NASH ST N
2010	AMPEX CORPORATION SITE	200 NASH ST N
2009	AMPEX CORPORATION SITE	200 NASH ST N
2008	AMPEX CORPORATION SITE	200 NASH ST N
2007	AMPEX CORPORATION SITE	200 NASH ST N
2006	AMPEX CORPORATION SITE	200 NASH ST N
2005	AMPEX CORPORATION SITE	200 NASH ST N
2003	AMPEX CORPORATION SITE	200 NASH ST N
2002	AMPEX CORPORATION SITE	200 NASH ST N
2001	AMPEX CORPORATION SITE	200 NASH ST N
2000	AMPEX CORPORATION SITE	200 NASH ST N
1998	AMPEX CORPORATION SITE	200 NASH ST N

R78 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571437**
ESE **198 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.376 mi.
1984 ft. **Site 3 of 3 in cluster R**

Relative:
Lower

Actual:
103 ft.

RGA LUST:

1997	AMPEX CORPORATION SITE	198 NASH ST N
1996	AMPEX CORPORATION SITE	198 NASH ST N

S79 **NORTHROP CORP/AIRCRAFT DIV** **CA ENVIROSTOR** **S118757503**
NE **2043 E MARIPOSA AVE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.378 mi.
1996 ft. **Site 1 of 2 in cluster S**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:
Facility ID: 80001309
Status: No Action Required
Status Date: 03/14/2014
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action

NORTHROP CORP/AIRCRAFT DIV (Continued) **S118757503**

Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Martin Herrmann
Supervisor:	Noel Shrum
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92386
Longitude:	-118.3895
APN:	4138019002, 4138028004
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	4138028004
Alias Type:	APN
Alias Name:	CAD000627216
Alias Type:	EPA Identification Number
Alias Name:	80001309
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/06/1990
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/19/2010
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

S80 **NORTHROP CORP AIRCRAFT DIV** **SEMS-ARCHIVE** **1000409954**
NE **2043 E MARIPOSA AVENUE** **CORRACTS** **CAD000627216**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.378 mi. **RCRA NonGen / NLR**
1996 ft. **Site 2 of 2 in cluster S** **CA EMI**
CA LOS ANGELES CO. HMS
Relative: **CA HWP**
Lower

Actual: SEMS-ARCHIVE:
107 ft.
Site ID: 900299
EPA ID: CAD000627216
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0900299
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13286567.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292162.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298020.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/06/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/06/90
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 05/08/90
Priority Level: Not reported

CORRACTS:

EPA ID: CAD000627216
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900606
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/10/1993
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/28/1992
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: CA029ST

Event date: 06/06/1990
Event: CA074LO

Event date: 06/06/1990
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 06/06/1990
Event: CA049PA

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/23/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 46825
Air District Name: SC
SIC Code: 3761
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

County Code:	19
Air Basin:	SC
Facility ID:	46825
Air District Name:	SC
SIC Code:	3812
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	015796-016908
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	0000T6346
Permit Status:	Closed

HWP:

EPA Id:	CAD000627216
Cleanup Status:	CLOSED
Latitude:	33.92344
Longitude:	-118.3904
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000627216
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKSTR1, TANKTRT1
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/19/1980

EPA Id:	CAD000627216
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKSTR1, TANKTRT1
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	08/31/1989

EPA Id:	CAD000627216
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, TANKSTR1, TANKTRT1

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/23/1988

Closure:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

T81 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709511**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2002 ft. **Site 1 of 4 in cluster T**

Relative:
Lower

Actual:
102 ft.

RGA LUST:

2012	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2011	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2010	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2009	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2008	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2007	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2006	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2005	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2003	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2002	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2001	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2000	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1998	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1997	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1996	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1995	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST

T82 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709510**
ENE **444 NASH ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.379 mi.
2002 ft. **Site 2 of 4 in cluster T**

Relative:
Lower

Actual:
102 ft.

RGA LUST:

1994	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST.
1993	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST.

T83 **UNITED AIRLINE FLIGHT KITCHEN** **CA LUST** **S102439619**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.384 mi.
2027 ft. **Site 3 of 4 in cluster T**

Relative:
Lower

Actual:
101 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-12973	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704019	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	EL SEGUNDO BLVD.	
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters	
Date Leak Discovered:	12/17/1990	
Date Leak First Reported:		1/23/1991
Date Leak Record Entered:	2/8/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	12/17/1990	
Date Case Last Changed on Database:		6/30/1992
Date the Case was Closed:		7/25/1991
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HARRISON, WALT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6476.3069257802008242951636235
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		12/17/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED AIRLINES	
RP Address:	6066 AVION DR., LOS ANGELES, 90045	
Program:	LUST	
Lat/Long:	33.9215296 / -1	
Local Agency Staff:	SHT	

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S102439619**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	OLD CASE #020891-13

T84 **T5 LOS ANGELES DATA CENTER** **CA LUST** **S103985741**
ENE **444 NORTH NASH STREET** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA EMI**
0.384 mi. **CA HIST CORTESE**
2027 ft. **Site 4 of 4 in cluster T** **CA NPDES**

Relative:
Lower

Actual:
101 ft.

LUST:

Region:	STATE
Global Id:	T0603704019
Latitude:	33.921778
Longitude:	-118.38632
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/25/1991
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-12973
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704019
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603704019
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704019
Status:	Open - Case Begin Date
Status Date:	12/17/1990

Global Id:	T0603704019

T5 LOS ANGELES DATA CENTER (Continued) **S103985741**

Status: Open - Remediation
Status Date: 12/17/1990

Global Id: T0603704019
Status: Completed - Case Closed
Status Date: 07/25/1991

Regulatory Activities:
Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Stopped

Global Id: T0603704019
Action Type: Other
Date: 01/23/1991
Action: Leak Reported

Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Discovery

SWEEPS UST:
Status: Not reported
Comp Number: 12973
Number: Not reported
Board Of Equalization: 44-009989
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012973-000001
Tank Status: Not reported
Capacity: 25000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16256
Air District Name: SC
SIC Code: 2099
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

T5 LOS ANGELES DATA CENTER (Continued) **S103985741**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-12973

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	421867
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C362440
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	11/15/2011
PROCESSED DATE:	11/16/2011
STATUS CODE NAME:	Active
STATUS DATE:	11/16/2011
PLACE SIZE:	6.1
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Addison Kerr
FACILITY CONTACT TITLE:	Project Engineer
FACILITY CONTACT PHONE:	678-438-8084
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	akerr@holder.com
OPERATOR NAME:	T5 @ Los Angeles LLC
OPERATOR ADDRESS:	3565 Piedmont Road, Suite 318
OPERATOR CITY:	Atlanta
OPERATOR STATE:	Georgia
OPERATOR ZIP:	30305
OPERATOR CONTACT NAME:	Jimmy Bailey
OPERATOR CONTACT TITLE:	Executive Vice President
OPERATOR CONTACT PHONE:	404-239-7143
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	jbailey@t5datacenters.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	T5 at Los Angeles LLC
DEVELOPER ADDRESS:	3565 Piedmont Road Suite 318
DEVELOPER CITY:	Atlanta
DEVELOPER STATE:	California

T5 LOS ANGELES DATA CENTER (Continued) **S103985741**

DEVELOPER ZIP:	30305
DEVELOPER CONTACT NAME:	Jimmy Bailey
DEVELOPER CONTACT TITLE:	Executive Vice President
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	678-438-8084
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Jimmy Bailey
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	15-NOV-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	421867
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C362440
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/16/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	T5 at Los Angeles LLC
Discharge Address:	3565 Piedmont Road Suite 318
Discharge City:	Atlanta
Discharge State:	Georgia
Discharge Zip:	30305
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported

T5 LOS ANGELES DATA CENTER (Continued) **S103985741**

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

85
NNW
1/4-1/2
0.391 mi.
2067 ft.

UNOCAL #5866
603 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S102440077**
CA HIST CORTESE **N/A**

Relative:
Higher

Actual:
128 ft.

LUST:

Region:	STATE
Global Id:	T0603703539
Latitude:	33.923772
Longitude:	-118.3963763
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/12/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-09969
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703539
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603703539
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603703539
Status:	Open - Case Begin Date
Status Date:	11/27/1990

Global Id:	T0603703539
Status:	Open - Site Assessment
Status Date:	12/04/1990

Global Id:	T0603703539
Status:	Completed - Case Closed
Status Date:	07/12/1996

UNOCAL #5866 (Continued) **S102440077**

Regulatory Activities:

Global Id:	T0603703539
Action Type:	Other
Date:	11/27/1990
Action:	Leak Stopped

Global Id:	T0603703539
Action Type:	Other
Date:	12/04/1990
Action:	Leak Reported

Global Id:	T0603703539
Action Type:	Other
Date:	11/27/1990
Action:	Leak Discovery

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09969	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703539	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	MARIPOSA	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/4/1990
Date Leak Record Entered:	1/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		7/12/1996
Date the Case was Closed:		7/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MASDI, JOLIL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9366.077673363444925489930952
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/4/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

UNOCAL #5866 (Continued) **S102440077**

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL CORP
RP Address: 376 S VALENCIA AVE, BREA CA 92621
Program: LUST
Lat/Long: 33.9235634 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ROUTINE TANK REPLACEMENT. APP. 100 CU YARDS OF CONTAMINATED SOIL EXCAVATED TO BE TREATED OR HAULED. TANKS IN SOLID CONDITION.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09969

U86 **BLACKMORE ASSOCIATES** **CA RGA LUST** **S114583637**
North **700 LAIRPORT ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.417 mi.
2203 ft. **Site 1 of 2 in cluster U**

Relative:
Lower

Actual:
108 ft.

RGA LUST:

2012	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2011	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2010	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2009	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2008	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2007	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2006	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2005	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2003	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2002	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2001	BLACKMORE ASSOCIATES	700 LAIRPORT ST

U87 **BLACKMORE ASSOCIATES** **CA LUST** **S102056743**
North **700 LAIRPORT ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.424 mi.
2239 ft. **Site 2 of 2 in cluster U**

Relative:
Lower

Actual:
108 ft.

LUST:

Region:	STATE
Global Id:	T0603705083
Latitude:	33.9050879
Longitude:	-118.3867277
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/26/2006
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-11949
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705083
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705083
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705083
Status:	Open - Case Begin Date
Status Date:	06/19/1986

Global Id:	T0603705083
Status:	Open - Site Assessment
Status Date:	06/19/1986

Global Id:	T0603705083
Status:	Completed - Case Closed
Status Date:	07/26/2006

BLACKMORE ASSOCIATES (Continued) **S102056743**

Regulatory Activities:

Global Id:	T0603705083
Action Type:	Other
Date:	06/19/1986
Action:	Leak Stopped

Global Id:	T0603705083
Action Type:	Other
Date:	06/19/1986
Action:	Leak Reported

Global Id:	T0603705083
Action Type:	Other
Date:	06/19/1986
Action:	Leak Discovery

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-11949	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705083	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/19/1986	
Date Leak First Reported:		6/19/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	6/19/1986	
Date Leak Stopped:	6/19/1986	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BROWN, MIKE	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2119.714190401390709716255708 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLACKMORE ASSOCIATES
RP Address: 700 LAIRPORT STREET, EL SEGUNDO, CA
Program: LUST
Lat/Long: 33.9050879 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 11949
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 011881-011949
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000182656
Permit Status: Closed

V88 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635477**
West **233 KANSAS ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.425 mi.
2242 ft. **Site 1 of 5 in cluster V**

Relative:
Higher

RGA LUST:

1994	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.
1993	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.

Actual:
122 ft.

V89 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635478**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.425 mi.
2242 ft. **Site 2 of 5 in cluster V**

Relative:
Higher

RGA LUST:

1995	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST

Actual:
122 ft.

V90 **INT RECTIFIER CORP EL SEGUNDO** **CA ENVIROSTOR** **U002287919**
West **233 KANSAS ST** **CA LUST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA SLIC**
0.425 mi. **CA HIST CORTESE**
2242 ft. **Site 3 of 5 in cluster V** **CA LOS ANGELES CO. HMS**
CA NPDES

Relative:
Higher

CA WDS

Actual:
122 ft.

ENVIROSTOR:

Facility ID:	19360533
Status:	Refer: RWQCB
Status Date:	01/15/2002
Site Code:	300569
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91866
Longitude:	-118.4007
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* ACID SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	INTERNATIONAL RECTIFIER
Alias Type:	Alternate Name
Alias Name:	CAD076208313
Alias Type:	EPA Identification Number

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Alias Name: 110000474479
Alias Type: EPA (FRS #)
Alias Name: 300569
Alias Type: Project Code (Site Code)
Alias Name: 19360533
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/24/1996
Comments: Preliminary Assessment completed under U.S. EPA grant. Site is no further assessment for U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/25/1995
Comments: The Department received a hazardous substace release report. The site had a waste leak from a plating line and acidic aqueous waste left metal contamination in the soil. Due to evidence of contamination, the Department recommends a PEA. The Department notified the RP that a PEA be conducted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15781
Status: Preliminary site assessment underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704349
W Global ID: Not reported
Staff: SLC
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Not reported
Date Leak Discovered: 6/29/1990
Date Leak First Reported: 7/25/1990
Date Leak Record Entered: 9/26/1990
Date Confirmation Began: Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Date Leak Stopped:	6/29/1990	
Date Case Last Changed on Database:		5/2/1994
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	NASSIF, GERALD	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8464.971975309280812962810462
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		7/25/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	INTERNATIONAL RECTIFIER CORP.	
RP Address:	233 KANSAS ST., EL SEGUNDO, 90245	
Program:	SLIC	
Lat/Long:	33.9182275 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	file missing, transfered from MSH to RI	

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/27/1997
Global Id:	SL184571440
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.917719
Longitude:	-118.399635
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0608
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15781

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	014941-015781
Facility Type:	1
Facility Status:	Closed
Area:	2N
Permit Number:	000167695
Permit Status:	Closed

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	188760
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I001141
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	3/25/1992
STATUS CODE NAME:	Active
STATUS DATE:	3/25/1992
PLACE SIZE:	10
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	CYNTHIA Velez
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	3107268283
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	International Rectifier Corp
OPERATOR ADDRESS:	233 Kansas St
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-726-8283
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3674-Semiconductors and Related Devices
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	188760
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I001141
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/09/2014
Discharge Name:	International Rectifier
Discharge Address:	101 N Sepulveda Blvd
Discharge City:	El Segundo

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

TERTIARY SIC: Not reported

WDS:

Facility ID:	4 19I001141
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3107268283
Facility Contact:	CYNTHIA VELEZ
Agency Name:	INT RECTIFIER CORP
Agency Address:	233 Kansas St
Agency City,St,Zip:	El Segundo 902454316
Agency Contact:	CORPORATION
Agency Telephone:	3103223331
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

V91 **INTERNATIONAL RECTIFIER CORP.** **CA SLIC** **1005976343**
West **233 KANSAS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.425 mi.
2242 ft. **Site 4 of 5 in cluster V**

Relative:
Higher

Actual:
122 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0608
Substance:	Not reported
Staff:	PR

V92 **INTERNATIONAL RECTIFIER CORP** **CA RGA LUST** **S114635479**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.425 mi.
2242 ft. **Site 5 of 5 in cluster V**

Relative:
Higher

Actual:
122 ft.

RGA LUST:

2007	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2006	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2005	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2003	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2002	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2001	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2000	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1998	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1997	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1996	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST

W93 **DEVLIN PHARMACEUTICALS, INC** **CA ENVIROSTOR** **S102860858**
NNW **700 NORTH SEPULVEDA BLVD** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.427 mi.
2254 ft. **Site 1 of 2 in cluster W**

Relative:
Higher

Actual:
116 ft.

ENVIROSTOR:

Facility ID:	19280313
Status:	No Further Action
Status Date:	12/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92527

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Longitude: -118.3963
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: TPH-gas
Confirmed COC: 30025-NO
Potential Description: SOIL
Alias Name: BERGEN-BRUNSWIG
Alias Type: Alternate Name
Alias Name: HUGHES AIRCRAFT COMPANY
Alias Type: Alternate Name
Alias Name: RABIN WINTERS CORPORATION
Alias Type: Alternate Name
Alias Name: RABIN'S PHARMACEUTICAL COMPANY
Alias Type: Alternate Name
Alias Name: CAD981373848
Alias Type: EPA Identification Number
Alias Name: 19280313
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/03/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIR RECIEVED IDENTIFIED DISCH METHOD & WASTE TYPE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: CONTACT W/ LICHTEN,HUGHES, & RABIN,OWNER - (DEVLIN)MFG OF PHARMACEUTL & VITAMINS, (RABIN'S)MFG OF PHARMACEUTIC & PROD OF ROSIN LIGHTER FLUID, (BERGEN) MFG OF PHARMACEUTICALS, (HUGHES) STORAGE OF OFFICE EQUIP. IN 1982 8 U/G TANKS USED BY RABINS WERE REMOVED BY RABIN W/O REGULATORY. SUBMIT TO EPA ENFORCEMENT(OTHER) CO ENGR. CLOSED CLARIFIER ON 10/29/85 PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/08/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

W94 **DEVLIN PHARMACEUTICALS INC** **SEMS-ARCHIVE** **1003878845**
NNW **700 N SEPULVEDA BLVD** **CAD981373848**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.427 mi.
2254 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
116 ft.

SEMS-ARCHIVE:
Site ID: 902293
EPA ID: CAD981373848
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0902293
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290184.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295779.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301637.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: HUGHES AIRCRAFT CO (CKA)
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 02/01/86
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 01/01/86
Date Completed: 05/01/86
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 02/22/89
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 02/22/89
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

95
NE
1/4-1/2
0.453 mi.
2392 ft.

HILTON GARDEN INN
MARIPOSA AVENUE AND NASH STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S104156165**
CA VCP **N/A**

Relative:
Lower

Actual:
102 ft.

ENVIROSTOR:

Facility ID:	19130106
Status:	No Further Action
Status Date:	09/24/1999
Site Code:	300779
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92305
Longitude:	-118.3872
APN:	NONE SPECIFIED
Past Use:	OIL FIELD
Potential COC:	* HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	110033614881
Alias Type:	EPA (FRS #)
Alias Name:	300779
Alias Type:	Project Code (Site Code)
Alias Name:	19130106
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/07/2000
Comments:	Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	09/24/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

HILTON GARDEN INN (Continued) **S104156165**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 19130106
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Site Code: 300779
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/24/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92305 / -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: 10009, 10097
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000
Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/24/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

HILTON GARDEN INN (Continued) **S104156165**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

X96 **PILLACK PROPERTY** **CA LUST** **S104916213**
West **1410 GRAND AVE** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90245**
0.460 mi.
2431 ft. **Site 1 of 2 in cluster X**

Relative:
Higher

Actual:
132 ft.

LUST:

Region:	STATE
Global Id:	T0603704135
Latitude:	34.0370135
Longitude:	-118.2652686
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/26/1990
Lead Agency:	LOS ANGELES COUNTY
Case Worker:	JOA
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-14091
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704135
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704135
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603704135
Status:	Completed - Case Closed
Status Date:	01/26/1990

Global Id:	T0603704135

PILLACK PROPERTY (Continued) **S104916213**

Status: Open - Case Begin Date
Status Date: 01/26/1990

Regulatory Activities:
Global Id: T0603704135
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14091
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704135
W Global ID: W0607701254
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/26/1990
Date Leak Record Entered: 2/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 2/16/1990
Date the Case was Closed: 1/26/1990
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: UNOCAL - JIM SCOTT
Well Name: Not reported
Approx. Dist To Production Well (ft): 5591.98947487533417639747716
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

PILLACK PROPERTY (Continued) **S104916213**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	RICHARD B. PILLACK
RP Address:	4315 INGLEWOOD BOULEVARD, LOS ANGELES, 90066
Program:	LUST
Lat/Long:	34.0370135 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	3901254-001GEN
Summary:	Not reported

X97 **PILLACK PROPERTY** **CA HIST CORTESE** **S105023636**
West **1410 GRAND** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.460 mi.
2431 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
132 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14091

Y98 **RAYTHEON CO** **CA ENVIROSTOR** **S103983824**
NNE **2030 MAPLE AVENUE** **CA HWP** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.488 mi.
2578 ft. **Site 1 of 2 in cluster Y**

Relative:
Lower

Actual:
109 ft.

ENVIROSTOR:

Facility ID:	60001344
Status:	Active
Status Date:	04/14/2015
Site Code:	300315
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	15.5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92618
Longitude:	-118.3912
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE,

RAYTHEON CO (Continued) **S103983824**

HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - ELECTRONIC, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, SAND BLASTING, UNKNOWN, AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC

Potential COC: Under Investigation Under Investigation
Confirmed COC: Not reported
Potential Description: UE, UE
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: 300315
Alias Type: Project Code (Site Code)
Alias Name: 60001344
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA Id: CAT080010853
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.92695
Longitude: -118.3912
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 300315, TBD
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr

RAYTHEON CO (Continued) **S103983824**

Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 04/26/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/17/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

Closure:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/25/1992

RAYTHEON CO (Continued) **S103983824**

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/1995

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/15/1992

Alias:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300315

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: TBD

Y99 **HUGHES AIRCRAFT CO RADAR SYSTEM** **SEMS-ARCHIVE** **1015730700**
NNE **2060 E. IMPERIAL HWY.** **RCRA-TSDF** **CAT080010853**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-LQG**
0.488 mi. **NY MANIFEST**
2578 ft. **Site 2 of 2 in cluster Y**

Relative:
Lower

Actual:
109 ft.

SEMS-ARCHIVE:
Site ID: 905120
EPA ID: CAT080010853
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: RAYTHEON COMPANY
Facility address: 2030 MAPLE AVE
EL SEGUNDO, CA 90245
EPA ID: CAT080010853
Mailing address: MAPLE AVE
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: (310) 647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER ST WALTHAM, MA 02451
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/17/1997
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER ST WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/17/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Historical Generators:
Date form received by agency: 03/01/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 06/03/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: 123

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/01/1996
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 04/07/1994
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/30/1992
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 33204

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 45379

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 32794

Waste code: D011
Waste name: SILVER
Amount (Lbs): 844

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 190

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 410

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 190

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2685

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2685

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 844

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/28/2006

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Date achieved compliance: 07/21/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/03/1995
Date achieved compliance: 01/01/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 12/09/1991
Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 12/09/1991
Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/13/1988
Date achieved compliance: 05/13/1988

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/21/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/22/1988
Date achieved compliance: 03/22/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/12/1985
Date achieved compliance: 01/01/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/12/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/09/1984
Date achieved compliance: 01/01/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/22/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Evaluation lead agency: EPA

Evaluation date: 06/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/03/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/01/1996
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 10/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 05/13/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

Evaluation date: 03/22/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 03/22/1988
Evaluation lead agency: State

Evaluation date: 03/22/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/1986

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1986
Evaluation lead agency: State

Evaluation date: 05/09/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1985
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: CAT080010853
Facility Status: Not reported
Location Address 1: PO BOX 92426 BLDG R23 M/S1003
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: LOS ANGELES
Location State: CA
Location Zip: 90009
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAT080010853
Mailing Name: HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Contact: HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Address 1: PO BOX 92426 BLDG R23 M/S1003
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 90009
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2136478854

NY MANIFEST:
Document ID: NYA5560263
Manifest Status: K

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

seq:	Not reported
Year:	1989
Trans1 State ID:	906404
Trans2 State ID:	10213PNY
Generator Ship Date:	07/14/1989
Trans1 Recv Date:	07/14/1989
Trans2 Recv Date:	07/15/1989
TSD Site Recv Date:	08/01/1989
Part A Recv Date:	08/09/1989
Part B Recv Date:	08/09/1989
Generator EPA ID:	CAT080010853
Trans1 EPA ID:	NJD000603563
Trans2 EPA ID:	NYD980769947
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00006
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

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100 ENE 1/4-1/2 0.494 mi. 2610 ft.

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
400 DULEY ROAD
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108197287**
CA VCP **N/A**
CA NPDES

Relative: Lower

Actual: 101 ft.

ENVIROSTOR:

Facility ID:	60000905
Status:	No Further Action
Status Date:	01/07/2014
Site Code:	301386
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92215
Longitude: -118.3852
APN: NONE SPECIFIED
Past Use: AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: Lead Polychlorinated biphenyls (PCBs 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC: Polychlorinated biphenyls (PCBs Lead
Potential Description: CSS, SOIL
Alias Name: 301386
Alias Type: Project Code (Site Code)
Alias Name: 60000905
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/28/2008
Comments: VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 04/28/2009
Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60000905
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301386
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 01/07/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92215 / -118.3852
APN: NONE SPECIFIED
Past Use: AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: 30013, 30018, 30026, 30027
Confirmed COC: 30018,30013
Potential Description: CSS, SOIL
Alias Name: 301386
Alias Type: Project Code (Site Code)

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Alias Name: 60000905
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/28/2008
Comments: VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 04/28/2009
Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	459798
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	369991
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C356178
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	9/2/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	8/17/2009
PROCESSED DATE:	9/2/2009
STATUS CODE NAME:	Active
STATUS DATE:	10/26/2010
PLACE SIZE:	3.3
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Stu Batstone
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	949-302-6271
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

OPERATOR NAME:	UC Regents
OPERATOR ADDRESS:	UC Berkley EH&S 1150
OPERATOR CITY:	Berkley
OPERATOR STATE:	California
OPERATOR ZIP:	94720
OPERATOR CONTACT NAME:	Brad Erickson
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-794-6122
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	State Agency
DEVELOPER NAME:	ARCADIS
DEVELOPER ADDRESS:	6872 Santa Teresa Blvd
DEVELOPER CITY:	San Jose
DEVELOPER STATE:	California
DEVELOPER ZIP:	95119
DEVELOPER CONTACT NAME:	Rebecca Lindeman
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	949-302-6271
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Y
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Troy Pfaff
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	15-OCT-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

101
West
1/2-1
0.533 mi.
2815 ft.

1330 EAST FRANKLIN AVENUE **CA ENVIROSTOR** **S118757325**
1330 EAST FRANKLIN AVENUE **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Higher

Actual:
132 ft.

ENVIROSTOR:

Facility ID:	60002376
Status:	Active
Status Date:	06/15/2016
Site Code:	301760
Site Type:	Voluntary Cleanup

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Site Type Detailed: Voluntary Cleanup
Acres: 1.33
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Folashade Simpson
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: , 62
Senate: , 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.91764
Longitude: -118.4014
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301760
Alias Type: Project Code (Site Code)
Alias Name: 60002376
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60002376
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.33
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Folashade Simpson
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301760
Assembly: , 62
Senate: , 26
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 06/15/2016
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91764 / -118.4014
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301760
Alias Type: Project Code (Site Code)
Alias Name: 60002376
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/07/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	07/01/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/06/2016
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

102
NNW
1/2-1
0.585 mi.
3089 ft.

HUGHES AIRCRAFT/GILBERT
800 N. SEPULVEDA BLVD.
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S111842201**
CA VCP **N/A**

Relative:
Higher

Actual:
121 ft.

ENVIROSTOR:

Facility ID:	19370368
Status:	No Further Action
Status Date:	10/09/1996
Site Code:	300599
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92666
Longitude:	-118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Completed Area Name:	PROJECT WIDE

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Facility ID:	19370368
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.2
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Site Code:	300599
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	10/09/1996
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92666 / -118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	10003, 10009
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Alias Type: Project Code (Site Code)
Alias Name: 19370368
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/1996
Comments: A VCP agreement was signed to submit and review a modified PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/09/1996
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

103
East
1/2-1
0.588 mi.
3104 ft.

FORT MCARTHUR **CA BOND EXP. PLAN** **S100833329**
200 NORTH DOUGLAS STREET, BLDG. 212 **N/A**
SAN PEDRO, CA 90245

Relative:
Lower

Actual:
98 ft.

CA BOND EXP. PLAN:
Reponsible Party: FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The Department will either enter into an interagency agreement with the Department of Defense or will issue an order. The Department has budgeted $15,000 for oversight/monitoring costs. DHS will seek 100 percent cost recovery for its direct costs plus staff costs and overhead related to the project. The Department of Defense is expected to fund all remedial investigation and cleanup activities.
Site Description: The Fort McArthur site is a former nike missile base located in the White's Point area of San Pedro. The Army transferred the site to the Air Force for housing and the Air Force transferred part of the site to the City of Los Angeles for a park. Thesite is located at 25th Street and Western Avenue in San Pedro.
Hazardous Waste Desc: Ninety-six acres of the original 561-acre complex remain under Air Force control. The remaining properties were disposed of as surplus. An initial assessment study was performed on the active ninety-six acres of Fort McArthur. Nine acres of potential contamination were identified. Only two areas are recommended by the Air Force for further site characterization. Released wastes include pesticides and battery acids.
Threat To Public Health & Env: Residues of hazardous wastes in the soil are the only identified environmental threat. Ground water is intruded by seawater and is unsuitable at this time for use as a drinking water supply. There is no known exposure at this time.

FORT MCARTHUR (Continued) **S100833329**

Site Activity Status: The installation restoration program (IRP) has been initiated at this base. Currently, the program is in the operations/remedial action phase of the mitigation process.

104
West
1/2-1
0.588 mi.
3107 ft.

RADIANT SERVICES **CA ENVIROSTOR** **S108217730**
200 NEVADA STREET **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Facility ID:	19130119
Status:	Inactive - Action Required
Status Date:	04/17/2006
Site Code:	301245
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Jennifer Jones
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91826
Longitude:	-118.4034
APN:	4139-005-043, 4139005043
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, SV, IA
Alias Name:	4139-005-043
Alias Type:	APN
Alias Name:	4139005043
Alias Type:	APN
Alias Name:	110033612749
Alias Type:	EPA (FRS #)
Alias Name:	301245
Alias Type:	Project Code (Site Code)
Alias Name:	19130119
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	01/20/2005
Comments:	DTSC approved WP for soil gas sampling to delineate VOC contamination. Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

RADIANT SERVICES (Continued) **S108217730**

Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 19130119
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Site Code: 301245
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: Inactive - Action Required
Status Date: 04/17/2006
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91826 / -118.4034
APN: 4139-005-043, 4139005043
Past Use: DRY CLEANING
Potential COC: 30022, 30027
Confirmed COC: 30022,30027
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan

RADIANT SERVICES (Continued) **S108217730**

Completed Date:	01/20/2005
Comments:	DTSC approved WP for soil gas sampling to delineate VOC contamination.
	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	10/08/2004
Comments:	The VCA was signed for determining if previous removal activities were adequate.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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105 East 1/2-1 0.590 mi. 3116 ft.

201 N. DOUGLAS PROPERTY
201 N. DOUGLAS STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108200735**
CA SCH **N/A**

Relative: Lower

Actual: 97 ft.

ENVIROSTOR:

Facility ID:	60001802
Status:	Active
Status Date:	10/04/2012
Site Code:	304642
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane Hydrogen sulfide
Confirmed COC:	Methane 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Alias Name: 304642
Alias Type: Project Code (Site Code)
Alias Name: 60001802
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Comments:	On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/16/2013
Comments:	DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site. Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	11/27/2012
Comments:	On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/31/2013
Comments:	On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Community Profile
Completed Date:	07/01/2013
Comments:	DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities. Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/10/2013
Comments:	Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Future Due Date:	2018
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2017
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	60001802
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304642
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane, Hydrogen sulfide
Confirmed COC:	Methane, 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Date:	10/15/2012
Comments:	Fully executed EOA sent (FedEx) to District 10/16/12.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Post HARP Form
Completed Date:	08/15/2013
Comments:	On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	02/05/2013
Comments:	Fully executed sent (FedEx) to the District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/01/2013
Comments:	On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/21/2016
Comments:	On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/24/2013
Comments:	On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Responsible Agency Review
Completed Date:	09/06/2013
Comments:	On September 6, 2013, DTSC signed the CEQA Notice of Determination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	11/06/2012
Comments:	On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2017

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Z106 **NWRIP DOD #26** **CA ENVIROSTOR** **S107736934**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.708 mi.
3738 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:
Facility ID: 80000638
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3969
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F686900
Alias Type: Federal Facility ID
Alias Name: J09CA1029
Alias Type: INPR
Alias Name: 80000638
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

NWRIP DOD #26 (Continued) **S107736934**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Z107 **EL SEGUNDO STORAGE ANNEX** **CA ENVIROSTOR** **S107736275**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.708 mi.
3738 ft. **Site 2 of 2 in cluster Z**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:
Facility ID: 80000076
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3969
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F531700
Alias Type: Federal Facility ID
Alias Name: J09CA0113
Alias Type: INPR
Alias Name: 80000076
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

EL SEGUNDO STORAGE ANNEX (Continued) **S107736275**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

108
NNE
1/2-1
0.727 mi.
3836 ft.

NORTH AMERICAN AIRCRAFT **CA ENVIROSTOR** **S107736912**
N/A

INGLEWOOD, CA

Relative:
Lower

Actual:
104 ft.

ENVIROSTOR:
Facility ID: 80000838
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3888
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F995900
Alias Type: Federal Facility ID
Alias Name: J09CA7136
Alias Type: INPR
Alias Name: 80000838
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 80000839
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.93111
Longitude: -118.3875
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996000
Alias Type: Federal Facility ID
Alias Name: J09CA7137
Alias Type: INPR
Alias Name: 80000839
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 10/07/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AA109 **BOEING SATELLITE SYSTEMS INC** **CA ENVIROSTOR** **1006816013**
North **1920 E IMPERIAL HWY** **N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.763 mi.
4031 ft. **Site 1 of 2 in cluster AA**

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Facility ID:	80001440
Status:	Active
Status Date:	01/01/2008
Site Code:	300215
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	52
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Vu Nguyen
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93053
Longitude:	-118.3937
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Freon 113
Confirmed COC:	Freon 113
Potential Description:	OTH
Alias Name:	CAD060897063
Alias Type:	EPA Identification Number
Alias Name:	110000609672
Alias Type:	EPA (FRS #)
Alias Name:	300215
Alias Type:	Project Code (Site Code)
Alias Name:	80001440
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	S-17 HWMU
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/29/2015
Comments:	Certification completed.
Completed Area Name:	S-12 HWMU
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/29/2015
Comments:	Certification completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/13/2015
Comments:	Uploaded and mailed out.

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/08/2012
Comments: DTSC approves the HRA Report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/07/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/18/2013
Comments: Document reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comments. Results from the report will be used to recommend corrective action termination.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/24/2014
Comments: Not reported

Completed Area Name: Building 17
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Document Type: Fact Sheets
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/07/2010
Comments: Facility submitted one workplan that was approved as a final on 1/7/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 04/27/2010

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 07/18/2008
Comments: This is a final addendum workplan 1 with clarifications from previous meetings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/04/2008
Comments: This workplan was approved in Sept. 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/28/2012
Comments: Approved with RFI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/19/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/28/2016
Comments: NOE Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/24/2013
Comments: Cost estimate for 2013/2014.

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 08/14/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/01/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 06/28/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 11/16/2006
Comments: Signed CACA.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/13/2013
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 10/25/2016
Schedule Revised Date: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Corrective Action Completion Determination
Schedule Due Date: 03/30/2017
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Constructed
Schedule Due Date: 01/10/2017
Schedule Revised Date: Not reported

AA110 **THE BOEING COMPANY** **SEMS-ARCHIVE** **1000240982**
North **1920 EAST IMPERIAL HWY** **CORRACTS** **CAD060897063**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.763 mi. **RCRA-LQG**
4031 ft. **Site 2 of 2 in cluster AA** **CA SWEEPS UST**
US FIN ASSUR
Relative: **2020 COR ACTION**
Lower **CA ICE**
CA LOS ANGELES CO. HMS
Actual: **CA HWP**
106 ft.

SEMS-ARCHIVE:
Site ID: 903305
EPA ID: CAD060897063
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903305
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290078.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295673.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301531.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 03/08/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /

THE BOEING COMPANY (Continued) **1000240982**

Date Completed: 01/23/96
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 08/24/90
Priority Level: Not reported

CORRACTS:

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130613
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20100921
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920814
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20160419
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20160424
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100921
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20100921
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY

THE BOEING COMPANY (Continued) **1000240982**

Actual Date: 20130624
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 20130608
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910227
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/18/2016
Facility name: THE BOEING COMPANY
Facility address: 1920 EAST IMPERIAL HWY
EL SEGUNDO, CA 90245
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: (310) 416-5680
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator country: US
Owner/operator telephone: (310) 416-5680
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P015
. Waste name: BERYLLIUM

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

Historical Generators:
Date form received by agency: 03/01/2014
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 12/19/2012
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND

THE BOEING COMPANY (Continued) **1000240982**

F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

Date form received by agency: 08/21/2012
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

THE BOEING COMPANY (Continued) **1000240982**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

Date form received by agency: 06/22/2010
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Date form received by agency: 02/25/2008
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/23/2006
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 711
. Waste name: 711

. Waste code: 723
. Waste name: 723

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

THE BOEING COMPANY (Continued) **1000240982**

CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 02/27/2004
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THE BOEING COMPANY (Continued) **1000240982**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 03/01/2002
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/16/2000
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 10/12/2000
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999

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Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 8058

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 36850

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

THE BOEING COMPANY (Continued) **1000240982**

Amount (Lbs): 6745

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 1942

Waste code: D008
Waste name: LEAD
Amount (Lbs): 26923

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 32

Waste code: D011
Waste name: SILVER
Amount (Lbs): 10340

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 22956

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 22938

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 6559

Waste code: LABP

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Waste name: LAB PACK
Amount (Lbs): 5980

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 114

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 114

Waste code: U133
Waste name: HYDRAZINE (R,T)
Amount (Lbs): 455

Corrective Action Summary:

Event date: 01/01/1990
Event: CA029ST

Event date: 02/27/1991
Event: CA029EP

Event date: 02/27/1991
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 02/27/1991
Event: CA049PA

Event date: 06/01/1992
Event: RFA Completed, Assessment was an RFA.

Event date: 08/14/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 08/14/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 09/21/2010
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 06/13/2013
Event: Current Human Exposures under Control, Yes, Current Human Exposures

THE BOEING COMPANY (Continued) **1000240982**

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 06/24/2013
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 04/19/2016
Event: Date For Public Notice On Proposed Remedy

Event date: Not reported
Event: CA048ST

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/2013
Date achieved compliance: 09/20/2013
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/16/2006
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/18/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/30/2004

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/22/1996
Date achieved compliance: 01/01/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/22/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/29/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/09/1993
Date achieved compliance: 05/19/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/15/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/10/1992
Date achieved compliance: 12/22/1992

THE BOEING COMPANY (Continued) **1000240982**

Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/17/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/24/1988
Date achieved compliance: 05/02/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1988
Date achieved compliance: 05/13/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2013

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/20/2013
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/17/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/20/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/28/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 02/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/16/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 04/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/2004

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 06/23/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/01/1997
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 04/09/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/19/1993
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/22/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1988
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/08/1988

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

SWEEPS UST:
Status: Active
Comp Number: 13534
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013534-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

US FIN ASSUR:
EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 151LCS100411
Cost estimate: 8000000
Face value: 8000000
Effective date: 2007-04-27 00:00:00

EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 151LCS100413
Cost estimate: 403000
Face value: 424000
Effective date: 2011-03-09 00:00:00

EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: ****0411
Cost estimate: 2000000
Face value: 2000000
Effective date: 2007-04-27 00:00:00

2020 COR ACTION:
EPA ID: CAD060897063
Region: 9

THE BOEING COMPANY (Continued) **1000240982**

Action: Not reported

ICE:
Envirostor ID: 3000044
EPA ID: CAD060897063
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/17/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/15/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/20/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/20/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/16/2006
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/23/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/28/2008
Violation Class: No Violations

THE BOEING COMPANY (Continued) **1000240982**

RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2004
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/23/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/06/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/01/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/30/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2009
Violation Class: No Violations
RTC Date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2007
Violation Class: No Violations
RTC Date: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 013223-013534
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005161T
Permit Status: Closed

HWP:
EPA Id: CAD060897063
Cleanup Status: CLOSED
Latitude: 33.93048
Longitude: -118.3946
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: EDWARD NIETO
Supervisor: Not reported
Site Code: 300215
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/01/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 11/05/1991

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 04/10/2007

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 01/28/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/13/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

THE BOEING COMPANY (Continued) **1000240982**

Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/03/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 11/30/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 12/02/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/10/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/06/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 04/10/2017

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 06/02/2002

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/14/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 10/13/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/06/2003

Closure:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/27/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/19/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/24/1996

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED

THE BOEING COMPANY (Continued) **1000240982**

Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/08/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN7-S34
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/15/2014

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/06/1993

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 12/07/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/21/1993

Alias:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609672

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300215

AB111 **ROCKWELL INTERNATIONAL** **CORRACTS** **1015757279**
NE **815 LAPHAM ST** **RCRA-TSDF** **CAD097855126**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-SQG**
0.800 mi. **PADS**
4222 ft. **Site 1 of 3 in cluster AB** **NY MANIFEST**

Relative: Lower

Actual: 103 ft.

CORRACTS:

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19931203
Action: CA075LO - CA Prioritization, Facility or area was assigned a low

ROCKWELL INTERNATIONAL (Continued) **1015757279**

corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940225
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19931104
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940530
Action: CA050 - RFA Completed
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940530
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940225
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/01/1996
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: ROCKWELL INTERNATIONAL
Classification: Small Quantity Generator

Date form received by agency: 03/23/1994
Site name: ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: ROCKWELL INTL CORP/EL SEGUNDO
Classification: Large Quantity Generator

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Date form received by agency: 04/13/1990
Site name: ROCKWELL INTERNATIONAL CORPEL SEG
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ROCKWELL INTERNATIONAL
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 11/04/1993
Event: RFA Completed, Assessment was a PA-Plus.

Event date: 12/03/1993
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 05/30/1994
Event: RFA Completed

Event date: Not reported
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/28/1990
Date achieved compliance: 12/04/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/04/1992
Evaluation lead agency: State

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Evaluation date: 09/05/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PADS:
EPAID: CAD097855126
Facility name: ROCKWELL INTL CORP EL SEGUNDO
Facility Address: 827 N DOUGLAS ST
EL SEGUNDO, CA 90245
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: ROCKWELL INTL CORP (NAA)
Contact title: Not reported
Contact name: SHE RICHARD S
Contact tel: (213)647-2828
Contact extension: Not reported
Mailing address: PO BOX 92098
LOS ANGELES, CA 90009
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Cert. date: 03/28/1990
Date received: 05/30/1990

NY MANIFEST:
Country: USA
EPA ID: CAD097855126
Facility Status: Not reported
Location Address 1: P O BOX 92098
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: LOS ANGELES
Location State: CA
Location Zip: 90009
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD097855126
Mailing Name: ROCKWELL INTERNATIONAL
Mailing Contact: JOHN WISKOSKI II
Mailing Address 1: P O BOX 92098
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 90009
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3106472271

NY MANIFEST:
Document ID: NYB2436678
Manifest Status: K
seq: Not reported
Year: 1992
Trans1 State ID: 306432
Trans2 State ID: 11343P
Generator Ship Date: 03/09/1992
Trans1 Recv Date: 03/09/1992
Trans2 Recv Date: 03/12/1992
TSD Site Recv Date: 03/25/1992
Part A Recv Date: 04/06/1992
Part B Recv Date: 04/22/1992
Generator EPA ID: CAD097855126
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID 1: NYD000632372
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00034
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

AB112 **WISEBURN HIGH SCHOOL - CAMPUS** **CA ENVIROSTOR** **S101296159**
NE **827 NORTH DOUGLAS STREET** **CA SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA SCH**
0.800 mi. **CA HIST CORTESE**
4222 ft. **Site 2 of 3 in cluster AB**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:

Facility ID:	60001621
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Site Code:	304639
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene Lead Methane Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs TPH-diesel
Confirmed COC:	30003-NO 30013-NO 30015-NO 30024-NO 40002-NO 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Alias Type: APN
Alias Name: 4138-030-013
Alias Type: APN
Alias Name: 4138-030-014
Alias Type: APN
Alias Name: 4138-030-015
Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/01/1998
Global Id: SL204741664
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Latitude:	33.927493
Longitude:	-118.382285
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0577
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SCH:

Facility ID:	60001621
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304639
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene, Lead, Methane, Naturally Occurring Asbestos (NOA), Polychlorinated biphenyls (PCBs, TPH-diesel
Confirmed COC:	30003-NO, 30013-NO, 30015-NO, 30024-NO, 40002-NO, 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09539

AB113 **ROCKWELL INT'L CORP/EL SEGUNDO** **CA ENVIROSTOR** **S100943688**
NE **827 N DOUGLAS** **CA HWP** **N/A**
1/2-1 **EL SEGUNDO, CA 90009**
0.800 mi.
4222 ft. **Site 3 of 3 in cluster AB**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:

Facility ID:	80001734
Status:	No Further Action
Status Date:	06/19/2013
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Gould
Supervisor:	* James Pappas
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92754
Longitude:	-118.3790
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD097855126
Alias Type:	EPA Identification Number
Alias Name:	80001734
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/02/2010
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	05/30/1994
Comments:	CAD 093 365 435 - SSFL Area I/III Boeing, CA1 800 090 010 - SSFL Area II NASA and Boeing, CAD 000 629 972 - SSFL Area IV USDOE and Boeing, CA3 890 090 001 - SSFL Area IV USDOE-ETEC, Instrument: Consent Order for CA. LA 9/11/08

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	05/30/1994
Comments:	Not reported

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/04/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA Id: CAD097855126
Cleanup Status: CLOSED
Latitude: 33.92754
Longitude: -118.3790
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1988

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/01/1989

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1983

EPA Id: CAD097855126

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/02/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/25/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1983

Closure:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/15/1994

114
NE
1/2-1
0.827 mi.
4368 ft.

NORTHROP GRUMMAN CORP (WC) **CA HAZNET** **S112998766**
800 N DOUGLAS **CA HWP** **N/A**
LOS ANGELES, CA 90250

Relative:
Lower

Actual:
103 ft.

HAZNET:
envid: S112998766
Year: 2015
GEPAID: CAD000627273
Contact: JOSEPH BEHEN
Telephone: 3103326925
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY PA12/W2
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 28.1625
Cat Decode: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

Facility County:	Los Angeles
envid:	S112998766
Year:	2015
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S112998766
Year:	2015
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Cat Decode:	Alkaline solution without metals pH >= 12.5
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S112998766
Year:	2015
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	842.8
Cat Decode:	Other organic solids

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Los Angeles

envid: S112998766
Year: 2015
GEPAID: CAD000627273
Contact: JOSEPH BEHEN
Telephone: 3103326925
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY PA12/W2
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 84.28
Cat Decode: Other organic solids
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
1702 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:
EPA Id: CAD000627273
Cleanup Status: CLOSED
Latitude: 33.92767
Longitude: -118.3830
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 06/30/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/03/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1984

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 09/30/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/10/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1989

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/13/1987

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/15/1983

Closure:

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

115
ENE
1/2-1
0.881 mi.
4650 ft.

Relative:
Lower

Actual:
98 ft.

NORTHROP GRUMMAN EL SEGUNDO
1 HORNET WAY
EL SEGUNDO, CA 90245

Database(s): SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS, US AIRS, FINDS, ECHO

EDR ID Number: 1000840757
EPA ID Number: CAD000627273

SEMS-ARCHIVE:
Site ID: 903329
EPA ID: CAD000627273
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903329
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290527.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296122.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301980.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 11/07/89
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/28/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/28/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900521
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920327
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 01/29/2016
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
ONE HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: JOSEPH L BEHEN
Contact address: HORNET WAY ONE HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 332-6925
Contact email: JOSEPH.BEHEN@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: (703) 280-4575
Legal status: Private

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Owner/Operator Type: Owner
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 271
. Waste name: 271

. Waste code: 342
. Waste name: 342

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 723
. Waste name: 723

. Waste code: 725
. Waste name: 725

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Date form received by agency: 03/09/2012
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 342
. Waste name: 342

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: 551

. Waste code: 723
. Waste name: 723

. Waste code: 725
. Waste name: 725

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/04/2010
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Date form received by agency: 02/29/2008
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/27/2006
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

. Waste code: 123
. Waste name: 123

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 151
. Waste name: 151

. Waste code: 261
. Waste name: 261

. Waste code: 271
. Waste name: 271

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/04/2004
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/26/2002
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 132
. Waste name: 132

. Waste code: 133
. Waste name: 133

. Waste code: 181
. Waste name: 181

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 271
. Waste name: 271

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 723
. Waste name: 723

. Waste code: 725
. Waste name: 725

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/10/1998
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 09/01/1996
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/28/1992
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 75478

Waste code: D002

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 67278

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 634

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 310743

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 8538

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 468711

Waste code: D008
Waste name: LEAD
Amount (Lbs): 260

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 45

Waste code: D011
Waste name: SILVER
Amount (Lbs): 64034

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 382596

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 51410

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 359378

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 359378

Corrective Action Summary:
Event date: 01/01/1990
Event: CA029ST

Event date: 05/21/1990
Event: CA049PA

Event date: 05/21/1990
Event: CA029EP

Event date: 05/21/1990
Event: CA074LO

Event date: 05/21/1990
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/27/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/27/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:
Regulation violated: FR - 268 ALL

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Area of violation: LDR - General
Date violation determined: 05/08/1992
Date achieved compliance: 05/29/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 06/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date violation determined: 02/20/1992
Date achieved compliance: 04/08/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/18/1988

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 08/27/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/29/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/17/1992
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/08/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 02/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/11/1988
Evaluation lead agency: State

ICIS:
Enforcement Action ID: CASCAA0000060370065800098
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800098
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800097
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800097
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800047
FRS ID: 110009527486

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800047
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800046
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800046
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800032
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800032
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Enforcement Action ID: CASCAA0000060370065800031
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800031
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800024
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800024
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800023
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800023
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Facility NAICS Code: 336411
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000840757
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
D and B Number: Not reported
Facility Site Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Primary SIC Code: 4511
NAICS Code: 336411
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-07-05 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-15 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-27 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-09 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-10-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-20 00:00:00
Activity Status Date: 2015-10-27 16:14:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-27 00:00:00
Activity Status Date: 2015-10-27 16:09:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-03 00:00:00
Activity Status Date: 2015-10-27 16:12:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-17 00:00:00
Activity Status Date: 2016-05-27 19:22:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:16:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-27 00:00:00
Activity Status Date: 2016-05-27 19:25:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-15 00:00:00
Activity Status Date: 2016-05-27 19:23:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-11 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-29 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-02-20 00:00:00
Activity Status Date: 2001-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-31 00:00:00
Activity Status Date: 2002-07-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: 2000-12-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-17 00:00:00
Activity Status Date: 2002-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110064127671

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Registry ID: 110055862142

Environmental Interest/Information System
COMPLIANCE AND EMISSIONS REPORTING

STATE MASTER

ECHO:
Envid: 1000840757
Registry ID: 110064127671
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110064127671

116
SSE
1/2-1
0.920 mi.
4859 ft.

H KRAMER & COMPANY
1 CHAPMAN WAY
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S101540204**
CA SLIC **N/A**
CA ENF
LA Co. Site Mitigation

Relative:
Lower

Actual:
92 ft.

ENVIROSTOR:
Facility ID: 19330144
Status: Refer: Other Agency
Status Date: 08/19/1991
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.9075
Longitude: -118.3833
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HOUSEHOLD WASTES * Metals - Other Inorganic Solid Waste Asbestos Containing Materials (ACM * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008260267

H KRAMER & COMPANY (Continued) **S101540204**

Alias Type: EPA Identification Number
Alias Name: 19330144
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/20/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/20/1991
Comments: Tetra Tech submitted a preliminary endangerment assessment (environmental assessment) report to the Dept prepared for the rail construction corporation which plans to build a portion of the Los Angeles County Transportation Commission Metro Green Line Project across the identified haz waste property of H. Kramer facility. Tetra Tech provided the proposed construction plan in the PEA. The RP paid the PEA fees to the Dept. PEA was completed. PEA concluded that the site should be referred to U.S. EPA for further action because it is currently on CERCLIS. Currently, EPA is the lead agency for further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/03/1991
Comments: Sample Results: Slag Pile = PB 2500 mg/kg, CU 53800, BE 230, ZN 76000, AS 17, PB WET 259; Soil = AS 2800 mg/kg, BE 18, CU 1700, PB 420, ZN 76; Groundwater = AS 140 mg/kg, CR6 .23, SE .24, PCE 200 ug/l, TCE 370, Toluene 270, Xylene 300, Carbon Tet 43 (from ENSR Report to EPA, February 1990). Site Screening Done: Site is a brass foundry contaminated w/ AS, PB, ZN, CU. Possible Asbestos in furnace area. Slag pile is primary source. Previous Company had evaporation pond. AS & Solvents in groundwater probably from pond. Pond is now filled with slag.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/14/1982
Comments: Facility identified from telephone book search;questionnaire sent.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:

H KRAMER & COMPANY (Continued) **S101540204**

Region:	STATE
Facility Status:	**Open - Verification Monitoring**
Status Date:	10/19/2015
Global Id:	SL204011483
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9088481633157
Longitude:	-118.384860767212
Case Type:	Cleanup Program Site
Case Worker:	NA
Local Agency:	Not reported
RB Case Number:	0425
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern:	Not reported
Site History:	H. Kramer & Company operated a brass foundry at the Site from 1951 through mid-1985. Slag generated from site operations was disposed in a waste pile, filling. Operations by a previous owner, Harshaw Chemical Company (Harshaw), included the smelting of antimony. Harshaw generated wastes containing heavy metals, which included arsenic. With the exception of the building foundations in the southwest portion of the Site, all structures have been demolished. Regional Board issued Cleanup and Abatement Order No. 92-094 (CAO). The CAO stated the following: The concrete /asphalt cap was selected as remedy and installed at the Site in 1995 to eliminate the direct contact pathways and to minimize infiltration of surface water into the subsurface soil.Case was closed conditionally in 1995. Site is under post remediation long term monitoring program. However, based on the available data, Regiona Bord staff asked H. Kramer to conduct additional Investigation to find another source of VOCs. New investigation (June 2009) data indicates another VOCs offsite groundwater (from up-gradient [north of the site]) plume may contributed to the onsite groundwater. Aditional groundwater investigation is required by RP.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Post Remediation Monitoring
SLIC:	0425
Substance:	Metal
Staff:	PGN

ENF:

Region:	4
Facility Id:	235599
Agency Name:	Kramer & Company & Harshaw Chemical
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.908127
Place Longitude:	-118.384715
SIC Code 1:	281

H KRAMER & COMPANY (Continued) **S101540204**

SIC Desc 1:	Industrial inorganic chemicals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	WDR
# Of Programs:	1
WDID:	4B191281001
Reg Measure Id:	135010
Reg Measure Type:	WDR
Region:	4
Order #:	94-031
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Active
Status Date:	03/21/2014
Effective Date:	04/04/1994
Expiration/Review Date:	03/31/2009
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	220202
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/28/1992

H KRAMER & COMPANY (Continued) **S101540204**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/28/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO - 4B191281001
Description:	NEED ACTION IMMEDIATELY.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

LA Co. Site Mitigation:

Facility ID:	Not reported
Site ID:	SD0010165
Jurisdiction:	County
Case ID:	RO0000427
Abated:	Yes
Assigned To:	Not reported
Entered Date:	05/11/2004
Abated Date:	01/26/1998

117
NNE
1/2-1
0.952 mi.
5027 ft.

SPERRY GYROSCOPE CORP **CA ENVIROSTOR** **S107737396**
N/A

EL SEGUNDO, CA

Relative:
Lower

Actual:
100 ft.

ENVIROSTOR:

Facility ID:	80000842
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93194
Longitude:	-118.3866

SPERRY GYROSCOPE CORP (Continued) **S107737396**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996300
Alias Type: Federal Facility ID
Alias Name: J09CA7140
Alias Type: INPR
Alias Name: 80000842
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

118
North
1/2-1
0.966 mi.
5102 ft.

Relative:
Lower

Actual:
104 ft.

UNC/CFC ACQUISITN
6201 W IMPERIAL HIGHWAY
LOS ANGELES, CA 90045

CA ENVIROSTOR **1006824524**
CA EMI **N/A**
LA Co. Site Mitigation

ENVIROSTOR:
Facility ID: 71003574
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.93148
Longitude: -118.4187
APN: NONE SPECIFIED

UNC/CFC ACQUISITN (Continued) **1006824524**

Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA0000546630
Alias Type: EPA Identification Number
Alias Name: 110017207618
Alias Type: EPA (FRS #)
Alias Name: 71003574
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21

UNC/CFC ACQUISITN (Continued) **1006824524**

Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7718617337
Reactive Organic Gases Tons/Yr:	1.67376
Carbon Monoxide Emissions Tons/Yr:	1.58604
NOX - Oxides of Nitrogen Tons/Yr:	1.95648
SOX - Oxides of Sulphur Tons/Yr:	0.08732
Particulate Matter Tons/Yr:	0.044683797
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04295936512

UNC/CFC ACQUISITN (Continued) **1006824524**

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6604989273
Reactive Organic Gases Tons/Yr:	2.51259
Carbon Monoxide Emissions Tons/Yr:	1.46672
NOX - Oxides of Nitrogen Tons/Yr:	2.24845
SOX - Oxides of Sulphur Tons/Yr:	0.1075
Particulate Matter Tons/Yr:	0.03498
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.03365262

LA Co. Site Mitigation:

Facility ID:	FA0014246
Site ID:	SD0010286
Jurisdiction:	Not reported
Case ID:	RO0010286
Abated:	Yes
Assigned To:	RS
Entered Date:	Not reported
Abated Date:	01/01/1991

119
WSW
1/2-1
0.980 mi.
5174 ft.

Relative:
Lower

Actual:
100 ft.

STANDARD OIL CO. **CA ENVIROSTOR** **S107737403**
N/A

EL SEGUNDO, CA

ENVIROSTOR:

Facility ID:	80001144
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.91527
Longitude:	-118.4097
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

STANDARD OIL CO. (Continued) **S107737403**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA47300
Alias Type: Federal Facility ID
Alias Name: J09CA7447
Alias Type: INPR
Alias Name: 80001144
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/01/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL SEGUNDO	S101296163	CITY OF EL SEGUNDO	FRANKLIN AVE	90245	CA LUST, CA HIST CORTESE
EL SEGUNDO	S106386907	DOD - LOS ANGELES AIRFORCE BASE	EL SEGUNDO	90245	CA SLIC
HAWTHORNE	S100204276	LA COUNTY/METRO LINE/HAWTHORNE YAR	14724 AVIATION BLVD.	90250	CA ENVIROSTOR, CA VCP
HAWTHORNE	S106387142	JONDA ENTERPRISES	207 EL SEGUNDO	90245	CA SLIC
LOS ANGELES	S107538594		GRAND AVE (CROSS OF 51ST & 52N		CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 93

Source: EPA
Telephone: N/A
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 93

Source: EPA
Telephone: N/A
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 93

Source: EPA
Telephone: N/A
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 09/14/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/20/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 78
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/18/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 66

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/15/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/27/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 01/04/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/20/2016
Date Data Arrived at EDR: 09/21/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 51

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/20/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/31/2016
Date Data Arrived at EDR: 11/01/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/29/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/01/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/24/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 45

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 87

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 83

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/25/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 01/06/2017
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/08/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 07/12/2016
Date Data Arrived at EDR: 08/17/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/23/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/29/2016
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/03/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 16
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/23/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/07/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 148

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/01/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/12/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 01/20/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/28/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/27/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/23/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/11/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/15/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 37

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/19/2016
Date Data Arrived at EDR: 09/20/2016
Date Made Active in Reports: 12/16/2016
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/16/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/13/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016
Date Data Arrived at EDR: 09/20/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 31
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/20/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 59
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/22/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/06/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/10/2016
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 90

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 11/10/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 9

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/21/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 23

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/27/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 11/01/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 19

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/22/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 55

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/11/2016
Date Data Arrived at EDR: 10/14/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 35

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/03/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 10/24/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 22

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/14/2016
Date Data Arrived at EDR: 12/16/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 6

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa facility list

Date of Government Version: 09/08/2016
Date Data Arrived at EDR: 09/09/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 35

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/15/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 10/18/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 58

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/18/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/11/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 93

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 41

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/19/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 79

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/17/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 44

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/03/2016
Date Data Arrived at EDR: 11/08/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 65
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/20/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 51
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/19/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/20/2016
Date Data Arrived at EDR: 10/25/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 77
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/19/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 11/18/2016
Number of Days to Update: 45

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 10/04/2016
Date Made Active in Reports: 12/16/2016
Number of Days to Update: 73

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/05/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/06/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 10/19/2016
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/06/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/21/2016
Date Data Arrived at EDR: 09/22/2016
Date Made Active in Reports: 10/18/2016
Number of Days to Update: 26

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/15/2016
Next Scheduled EDR Contact: 04/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/28/2016
Next Scheduled EDR Contact: 03/13/2017
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 11/16/2016
Date Data Arrived at EDR: 11/21/2016
Date Made Active in Reports: 01/19/2017
Number of Days to Update: 59

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/15/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 29

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 19

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/09/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/27/2016
Date Data Arrived at EDR: 09/28/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 55

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/04/2016
Date Data Arrived at EDR: 10/06/2016
Date Made Active in Reports: 12/16/2016
Number of Days to Update: 71
Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/22/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/02/2016
Next Scheduled EDR Contact: 03/20/2017
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2016
Date Data Arrived at EDR: 10/28/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 74
Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/17/2017
Number of Days to Update: 82
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/30/2016
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/14/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/23/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2016
Date Data Arrived at EDR: 12/14/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 29

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/14/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/12/2017
Number of Days to Update: 55

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/03/2017
Next Scheduled EDR Contact: 04/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/28/2016
Date Data Arrived at EDR: 11/03/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 42

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/30/2017
Next Scheduled EDR Contact: 05/08/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/09/2017
Next Scheduled EDR Contact: 04/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 11/02/2016
Date Made Active in Reports: 01/04/2017
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/12/2017
Next Scheduled EDR Contact: 05/01/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/21/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/12/2016
Next Scheduled EDR Contact: 03/27/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

TARGET PROPERTY COORDINATES

Latitude (North):	33.919323 - 33° 55' 9.56''
Longitude (West):	118.39335 - 118° 23' 36.06''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371197.9
UTM Y (Meters):	3753890.5
Elevation:	115 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

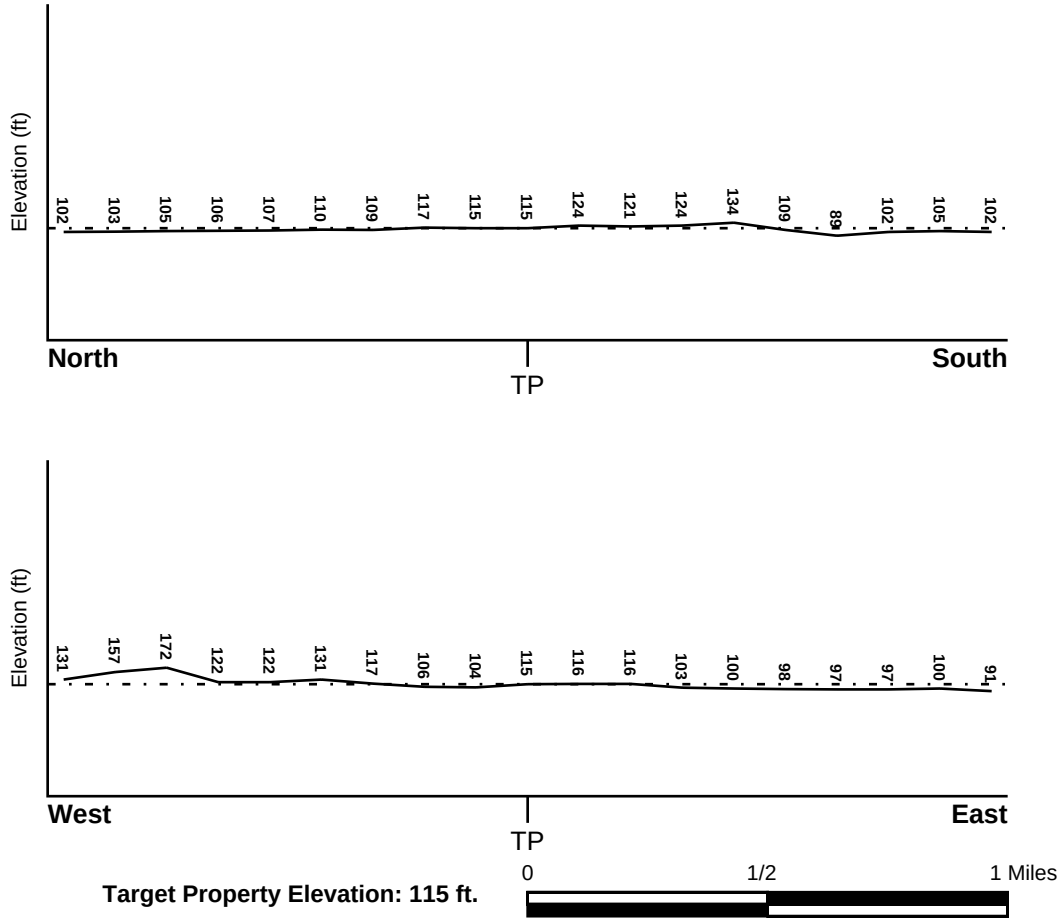
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1770F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VENICE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile West
Site Name:	International Rectifier
Site EPA ID Number:	CAD076208313
Groundwater Flow Direction:	West
Inferred Depth to Water:	80 feet.
Hydraulic Connection:	Aquifers underlying the site are interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DELHI
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

clay

Shallow Soil Types: fine sandy loam
gravelly - loam
sandy clay loam
sandy clay

Deeper Soil Types: coarse sand
silty clay loam
gravelly - fine sandy loam
stratified
gravelly - sandy loam
weathered bedrock
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000205701	0 - 1/8 Mile West

STATE OIL/GAS WELL INFORMATION

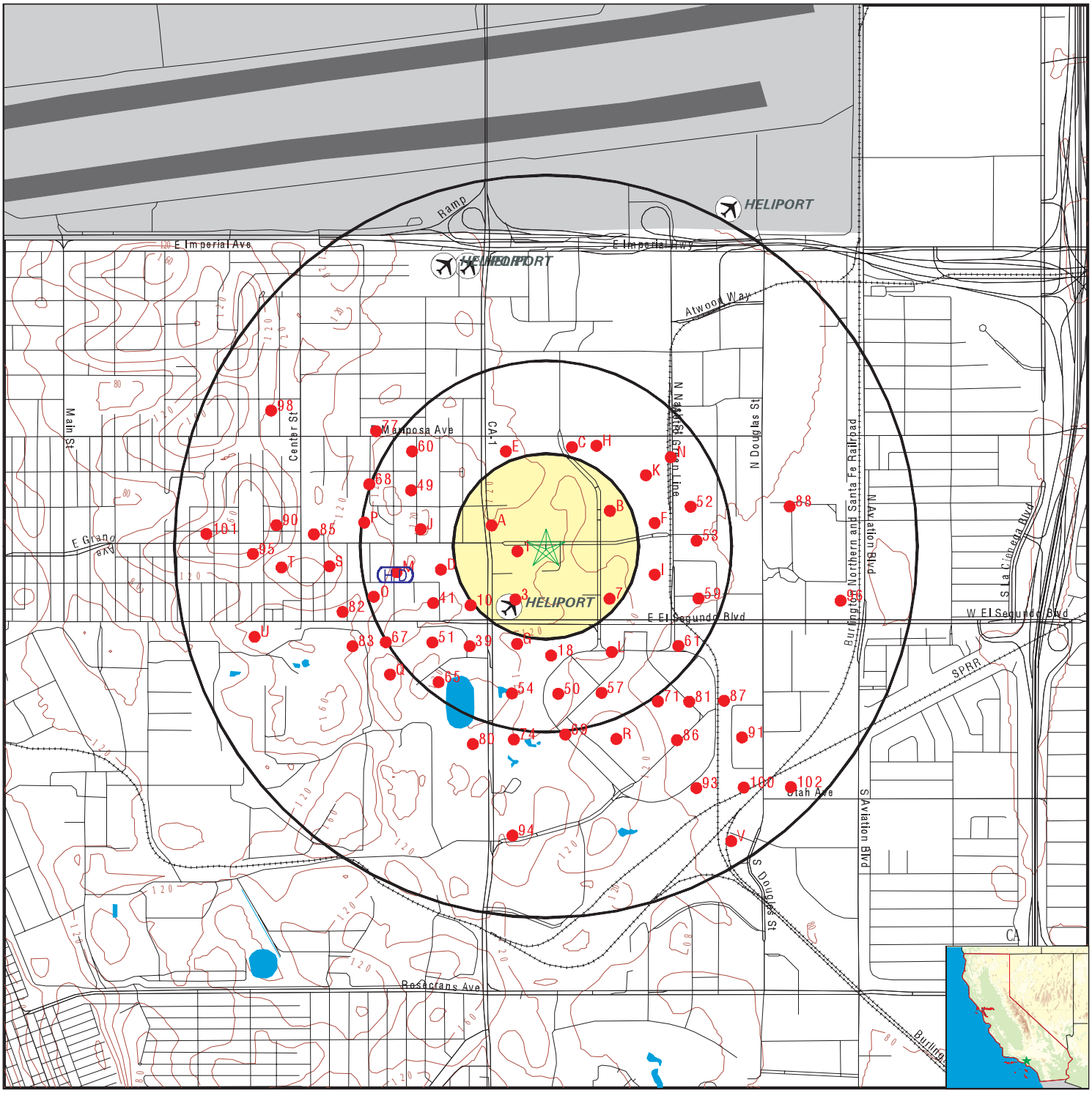
MAP ID	WELL ID	LOCATION FROM TP
A2	CAOG11000205703	1/8 - 1/4 Mile WNW
3	CAOG11000205699	1/8 - 1/4 Mile SSW
A4	CAOG11000205947	1/8 - 1/4 Mile WNW
B5	CAOG11000200714	1/8 - 1/4 Mile ENE
B6	CAOG11000205706	1/8 - 1/4 Mile ENE
7	CAOG11000205951	1/8 - 1/4 Mile SE
C8	CAOG11000205705	1/8 - 1/4 Mile North
D9	CAOG11000205945	1/4 - 1/2 Mile WSW
10	CAOG11000205923	1/4 - 1/2 Mile SW
E11	CAOG11000205704	1/4 - 1/2 Mile NNW
C12	CAOG11000205712	1/4 - 1/2 Mile North
F13	CAOG11000200715	1/4 - 1/2 Mile ENE
G14	CAOG11000205694	1/4 - 1/2 Mile SSW
G15	CAOG11000205736	1/4 - 1/2 Mile SSW
C16	CAOG11000205719	1/4 - 1/2 Mile NNE
C17	CAOG11000205718	1/4 - 1/2 Mile NNE
18	CAOG11000205739	1/4 - 1/2 Mile South
C19	CAOG11000205711	1/4 - 1/2 Mile NNE
H20	CAOG11000214145	1/4 - 1/2 Mile NNE
E21	CAOG11000204501	1/4 - 1/2 Mile NNW
H22	CAOG11000205723	1/4 - 1/2 Mile NNE
C23	CAOG11000205720	1/4 - 1/2 Mile NNE
I24	CAOG11000205716	1/4 - 1/2 Mile ESE
F25	CAOG11000200967	1/4 - 1/2 Mile ENE
F26	CAOG11000205715	1/4 - 1/2 Mile ENE
J27	CAOG11000205949	1/4 - 1/2 Mile West
K28	CAOG11000205709	1/4 - 1/2 Mile NE
F29	CAOG11000205700	1/4 - 1/2 Mile East
I30	CAOG11000205691	1/4 - 1/2 Mile East
H31	CAOG11000205717	1/4 - 1/2 Mile NNE
L32	CAOG11000205935	1/4 - 1/2 Mile SSE
F33	CAOG11000205721	1/4 - 1/2 Mile East
H34	CAOG11000205710	1/4 - 1/2 Mile NNE
I35	CAOG11000205698	1/4 - 1/2 Mile ESE
F36	CAOG11000214163	1/4 - 1/2 Mile ENE
D37	CAOG11000205693	1/4 - 1/2 Mile WSW
K38	CAOG11000205713	1/4 - 1/2 Mile ENE
39	CAOG11000205724	1/4 - 1/2 Mile SW
K40	CAOG11000205722	1/4 - 1/2 Mile NE
41	CAOG11000205924	1/4 - 1/2 Mile WSW
K42	CAOG11000215070	1/4 - 1/2 Mile NE
L43	CAOG11000202271	1/4 - 1/2 Mile SSE
J44	CAOG11000205934	1/4 - 1/2 Mile West
M45	CAOG11000205695	1/4 - 1/2 Mile West
M46	CAOG11000190038	1/4 - 1/2 Mile WSW
N47	CAOG11000205714	1/4 - 1/2 Mile NE
N48	CAOG11000205708	1/4 - 1/2 Mile NE
49	CAOG11000205916	1/4 - 1/2 Mile WNW
50	CAOG11000205734	1/4 - 1/2 Mile South
51	CAOG11000205726	1/4 - 1/2 Mile SW
52	CAOG11000205944	1/4 - 1/2 Mile ENE
53	CAOG11000205697	1/4 - 1/2 Mile East
54	CAOG11000205737	1/4 - 1/2 Mile SSW
N55	CAOG11000205702	1/4 - 1/2 Mile NE
N56	CAOG11000205707	1/4 - 1/2 Mile NE
57	CAOG11000205936	1/4 - 1/2 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N58	CAOG11000205943	1/4 - 1/2 Mile ENE
59	CAOG11000205696	1/4 - 1/2 Mile ESE
60	CAOG11000204707	1/4 - 1/2 Mile NW
61	CAOG11000202273	1/4 - 1/2 Mile SE
M62	CAOG11000205941	1/4 - 1/2 Mile West
O63	CAOG11000205927	1/4 - 1/2 Mile WSW
N64	CAOG11000205942	1/4 - 1/2 Mile ENE
65	CAOG11000205725	1/4 - 1/2 Mile SW
P66	CAOG11000205948	1/4 - 1/2 Mile West
67	CAOG11000205728	1/2 - 1 Mile WSW
68	CAOG11000205731	1/2 - 1 Mile WNW
69	CAOG11000205735	1/2 - 1 Mile South
O70	CAOG11000205928	1/2 - 1 Mile WSW
71	CAOG11000205931	1/2 - 1 Mile SE
P72	CAOG11000205937	1/2 - 1 Mile West
Q73	CAOG11000200716	1/2 - 1 Mile SW
74	CAOG11000205738	1/2 - 1 Mile South
R75	CAOG11000205929	1/2 - 1 Mile SSE
S76	CAOG11000205915	1/2 - 1 Mile West
77	CAOG11000204933	1/2 - 1 Mile NW
Q78	CAOG11000205730	1/2 - 1 Mile SW
R79	CAOG11000202272	1/2 - 1 Mile SSE
80	CAOG11000205727	1/2 - 1 Mile SSW
81	CAOG11000205932	1/2 - 1 Mile SE
82	CAOG11000205940	1/2 - 1 Mile WSW
83	CAOG11000205729	1/2 - 1 Mile WSW
S84	CAOG11000205920	1/2 - 1 Mile West
85	CAOG11000205919	1/2 - 1 Mile West
86	CAOG11000202274	1/2 - 1 Mile SE
87	CAOG11000200713	1/2 - 1 Mile SE
88	CAOG11000205925	1/2 - 1 Mile East
T89	CAOG11000189959	1/2 - 1 Mile West
90	CAOG11000205917	1/2 - 1 Mile West
91	CAOG11000190037	1/2 - 1 Mile SE
T92	CAOG11000189958	1/2 - 1 Mile West
93	CAOG11000205921	1/2 - 1 Mile SSE
94	CAOG11000205741	1/2 - 1 Mile South
95	CAOG11000205938	1/2 - 1 Mile West
96	CAOG11000205939	1/2 - 1 Mile East
U97	CAOG11000214025	1/2 - 1 Mile WSW
98	CAOG11000204762	1/2 - 1 Mile WNW
U99	CAOG11000214041	1/2 - 1 Mile WSW
100	CAOG11000205933	1/2 - 1 Mile SE
101	CAOG11000205918	1/2 - 1 Mile West
102	CAOG11000205922	1/2 - 1 Mile SE
V103	CAOG11000205950	1/2 - 1 Mile SE
V104	CAOG11000205930	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 04842909.1r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Grand Avenue Courtyard	CLIENT: EBI Consulting
ADDRESS: 1960 East Grand Avenue El Segundo CA 90245	CONTACT: Production Manager INQUIRY #: 04842909.1r
LAT/LONG: 33.919323 / 118.39335	DATE: February 01, 2017 5:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
West
0 - 1/8 Mile

OIL_GAS **CAOG11000205701**

District nun:	1	Api number:	03707214
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205701		

A2
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205703**

District nun:	1	Api number:	03707216
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205703		

3
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205699**

District nun:	1	Api number:	03707212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205699		

A4
WNW **OIL_GAS** **CAOG11000205947**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707596
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	2-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205947		

B5
ENE **OIL_GAS** **CAOG11000200714**
1/8 - 1/4 Mile

District nun:	1	Api number:	03700180
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000200714		

B6
ENE **OIL_GAS** **CAOG11000205706**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707219
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205706		

7
SE **OIL_GAS** **CAOG11000205951**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707600
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Marathon Oil Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	A. S. Gough	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205951		

Map ID
Direction
Distance

Database EDR ID Number

C8
North
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205705**

District nun:	1	Api number:	03707218
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205705		

D9
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205945**

District nun:	1	Api number:	03707593
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Government Refining & Gasoline Corp.Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ramsey-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205945		

10
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205923**

District nun:	1	Api number:	03707571
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205923		

E11
NNW **OIL_GAS** **CAOG11000205704**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707217
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205704		

C12
North **OIL_GAS** **CAOG11000205712**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707225
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205712		

F13
ENE **OIL_GAS** **CAOG11000200715**
1/4 - 1/2 Mile

District nun:	1	Api number:	03700181
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000200715		

G14
SSW **OIL_GAS** **CAOG11000205694**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Fortuna	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205694		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G15
SSW **OIL_GAS** **CAOG11000205736**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707251
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205736		

C16
NNE **OIL_GAS** **CAOG11000205719**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707232
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205719		

C17
NNE **OIL_GAS** **CAOG11000205718**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707231
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205718		

18
South **OIL_GAS** **CAOG11000205739**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707254
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205739		

C19
NNE **OIL_GAS** **CAOG11000205711**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707224
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205711		

H20
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000214145**

District nun:	1	Api number:	03720612
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000214145		

E21
NNW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000204501**

District nun:	1	Api number:	03705175
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Santa Fe B	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204501		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H22
NNE **OIL_GAS** **CAOG11000205723**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707236
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000205723		

C23
NNE **OIL_GAS** **CAOG11000205720**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707233
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205720		

I24
ESE **OIL_GAS** **CAOG11000205716**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707229
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205716		

F25
ENE **OIL_GAS** **CAOG11000200967**
1/4 - 1/2 Mile

District nun:	1	Api number:	03700874
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200967		

F26
ENE **OIL_GAS** **CAOG11000205715**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707228
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205715		

J27
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205949**

District nun:	1	Api number:	03707598
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205949		

K28
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205709**

District nun:	1	Api number:	03707222
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205709		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F29
East
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205700**

District nun:	1	Api number:	03707213
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205700		

I30
East
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205691**

District nun:	1	Api number:	03707201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Marathon Oil Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	A. S. Gough	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205691		

H31
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205717**

District nun:	1	Api number:	03707230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205717		

L32
SSE **OIL_GAS** **CAOG11000205935**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707583
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Republic-El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205935		

F33
East **OIL_GAS** **CAOG11000205721**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707234
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205721		

H34
NNE **OIL_GAS** **CAOG11000205710**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707223
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205710		

I35
ESE **OIL_GAS** **CAOG11000205698**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707211
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205698		

Map ID
Direction
Distance

Database EDR ID Number

F36
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000214163**

District nun:	1	Api number:	03720650
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000214163		

D37
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205693**

District nun:	1	Api number:	03707206
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Ruchti Petro. Co., Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205693		

K38
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205713**

District nun:	1	Api number:	03707226
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205713		

39
SW **OIL_GAS** **CAOG11000205724**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707237
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205724		

K40
NE **OIL_GAS** **CAOG11000205722**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707235
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205722		

41
WSW **OIL_GAS** **CAOG11000205924**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205924		

K42
NE **OIL_GAS** **CAOG11000215070**
1/4 - 1/2 Mile

District nun:	1	Api number:	03723168
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000215070		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L43
SSE **OIL_GAS** **CAOG11000202271**
1/4 - 1/2 Mile

District nun:	1	Api number:	03702332
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202271		

J44
West **OIL_GAS** **CAOG11000205934**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707582
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205934		

M45
West **OIL_GAS** **CAOG11000205695**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	K. Sims		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Copinger-Wallace	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205695		

M46
WSW **OIL_GAS** **CAOG11000190038**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707594
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	114.948
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	Elsie Comm.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190038		

N47
NE **OIL_GAS** **CAOG11000205714**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707227
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205714		

N48
NE **OIL_GAS** **CAOG11000205708**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707221
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205708		

49
WNW **OIL_GAS** **CAOG11000205916**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707563
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205916		

Map ID
Direction
Distance

Database EDR ID Number

50
South **OIL_GAS** **CAOG11000205734**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707249
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205734		

51
SW **OIL_GAS** **CAOG11000205726**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707239
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205726		

52
ENE **OIL_GAS** **CAOG11000205944**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707592
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Goodwin	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205944		

53
East **OIL_GAS** **CAOG11000205697**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707210
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Buffington	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205697		

54
SSW **OIL_GAS** **CAOG11000205737**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707252
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Security	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205737		

N55
NE **OIL_GAS** **CAOG11000205702**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707215
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205702		

N56
NE **OIL_GAS** **CAOG11000205707**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707220
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205707		

Map ID
Direction
Distance

Database EDR ID Number

57
SSE **OIL_GAS** **CAOG11000205936**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707584
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Republic-El Segundo	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205936		

N58
ENE **OIL_GAS** **CAOG11000205943**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707591
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	E.S.	Wellnumber:	1-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205943		

59
ESE **OIL_GAS** **CAOG11000205696**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707209
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Buffington	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205696		

60
NW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000204707**

District nun:	1	Api number:	03705485
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Howard Oil Co., Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mary	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204707		

61
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000202273**

District nun:	1	Api number:	03702334
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Block	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202273		

M62
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205941**

District nun:	1	Api number:	03707589
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Corp.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Grauman-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205941		

O63
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205927**

District nun:	1	Api number:	03707575
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mccray	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205927		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N64
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205942**

District nun:	1	Api number:	03707590
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	E.S.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205942		

65
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205725**

District nun:	1	Api number:	03707238
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205725		

P66
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205948**

District nun:	1	Api number:	03707597
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	9-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205948		

67
WSW **OIL_GAS** **CAOG11000205728**
1/2 - 1 Mile

District nun:	1	Api number:	03707241
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205728		

68
WNW **OIL_GAS** **CAOG11000205731**
1/2 - 1 Mile

District nun:	1	Api number:	03707246
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Termo-Elsie	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205731		

69
South
1/2 - 1 Mile

OIL_GAS **CAOG11000205735**

District nun:	1	Api number:	03707250
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205735		

O70
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205928**

District nun:	1	Api number:	03707576
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mccray	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205928		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

71
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205931**

District nun:	1	Api number:	03707579
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205931		

P72
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205937**

District nun:	1	Api number:	03707585
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Briles Manufacturing		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205937		

Q73
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000200716**

District nun:	1	Api number:	03700182
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200716		

74
South **OIL_GAS** **CAOG11000205738**
1/2 - 1 Mile

District nun:	1	Api number:	03707253
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205738		

R75
SSE **OIL_GAS** **CAOG11000205929**
1/2 - 1 Mile

District nun:	1	Api number:	03707577
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Republic	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205929		

S76
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205915**

District nun:	1	Api number:	03707562
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Converse	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205915		

77
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000204933**

District nun:	1	Api number:	03705802
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	George R. Rider		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204933		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q78
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000205730**

District nun:	1	Api number:	03707243
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205730		

R79
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000202272**

District nun:	1	Api number:	03702333
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202272		

80
SSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205727**

District nun:	1	Api number:	03707240
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205727		

81
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205932**

District nun:	1	Api number:	03707580
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205932		

82
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205940**

District nun:	1	Api number:	03707588
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205940		

83
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205729**

District nun:	1	Api number:	03707242
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205729		

S84
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205920**

District nun:	1	Api number:	03707567
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Silver Wing Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Guaranty-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205920		

Map ID
Direction
Distance

Database EDR ID Number

85
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205919**

District nun:	1	Api number:	03707566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205919		

86
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000202274**

District nun:	1	Api number:	03702335
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202274		

87
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000200713**

District nun:	1	Api number:	03700179
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200713		

88
East **OIL_GAS** **CAOG11000205925**
1/2 - 1 Mile

District nun:	1	Api number:	03707573
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Howard	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205925		

T89
West **OIL_GAS** **CAOG11000189959**
1/2 - 1 Mile

District nun:	1	Api number:	03707245
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	El Segundo Oil, LLC		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	97.945
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189959		

90
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205917**

District nun:	1	Api number:	03707564
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205917		

91
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000190037**

District nun:	1	Api number:	03707568
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brayton-Hodges Petro, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	97.051
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190037		

Map ID
Direction
Distance

Database EDR ID Number

T92
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189958**

District nun:	1	Api number:	03707244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	El Segundo Oil, LLC		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	116.742
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189958		

93
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000205921**

District nun:	1	Api number:	03707569
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205921		

94
South
1/2 - 1 Mile

OIL_GAS **CAOG11000205741**

District nun:	1	Api number:	03707256
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Oil Company of California		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205741		

95
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205938**

District nun:	1	Api number:	03707586
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205938		

96
East
1/2 - 1 Mile

OIL_GAS **CAOG11000205939**

District nun:	1	Api number:	03707587
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Dresco, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Woods	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205939		

U97
WSW **OIL_GAS** **CAOG11000214025**
1/2 - 1 Mile

District nun:	1	Api number:	03720213
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214025		

98
WNW **OIL_GAS** **CAOG11000204762**
1/2 - 1 Mile

District nun:	1	Api number:	03705566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Larco Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Van	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204762		

Map ID
Direction
Distance

Database EDR ID Number

U99
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000214041**

District nun:	1	Api number:	03720294
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000214041		

100
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205933**

District nun:	1	Api number:	03707581
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205933		

101
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205918**

District nun:	1	Api number:	03707565
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205918		

102
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205922**

District nun:	1	Api number:	03707570
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205922		

V103
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205950**

District nun:	1	Api number:	03707599
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lane-Wells Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205950		

V104
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000205930**

District nun:	1	Api number:	03707578
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Santa Fe	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205930		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90245	101	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F

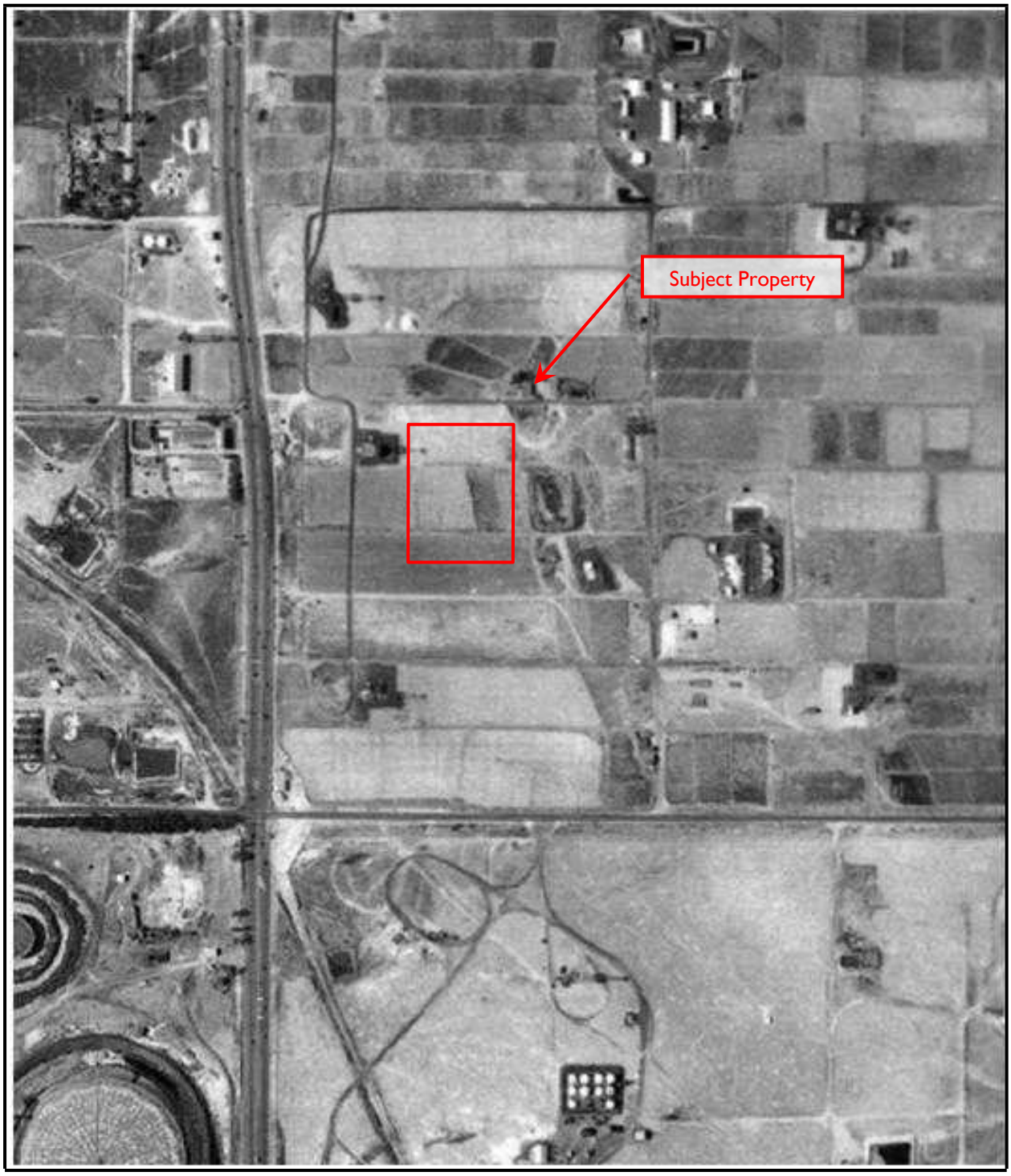
HISTORICAL DOCUMENTATION

Aerial Photograph

Year: 1923

Aerial Photograph

Year: 1928



Aerial Photograph

Year: 1938

Aerial Photograph

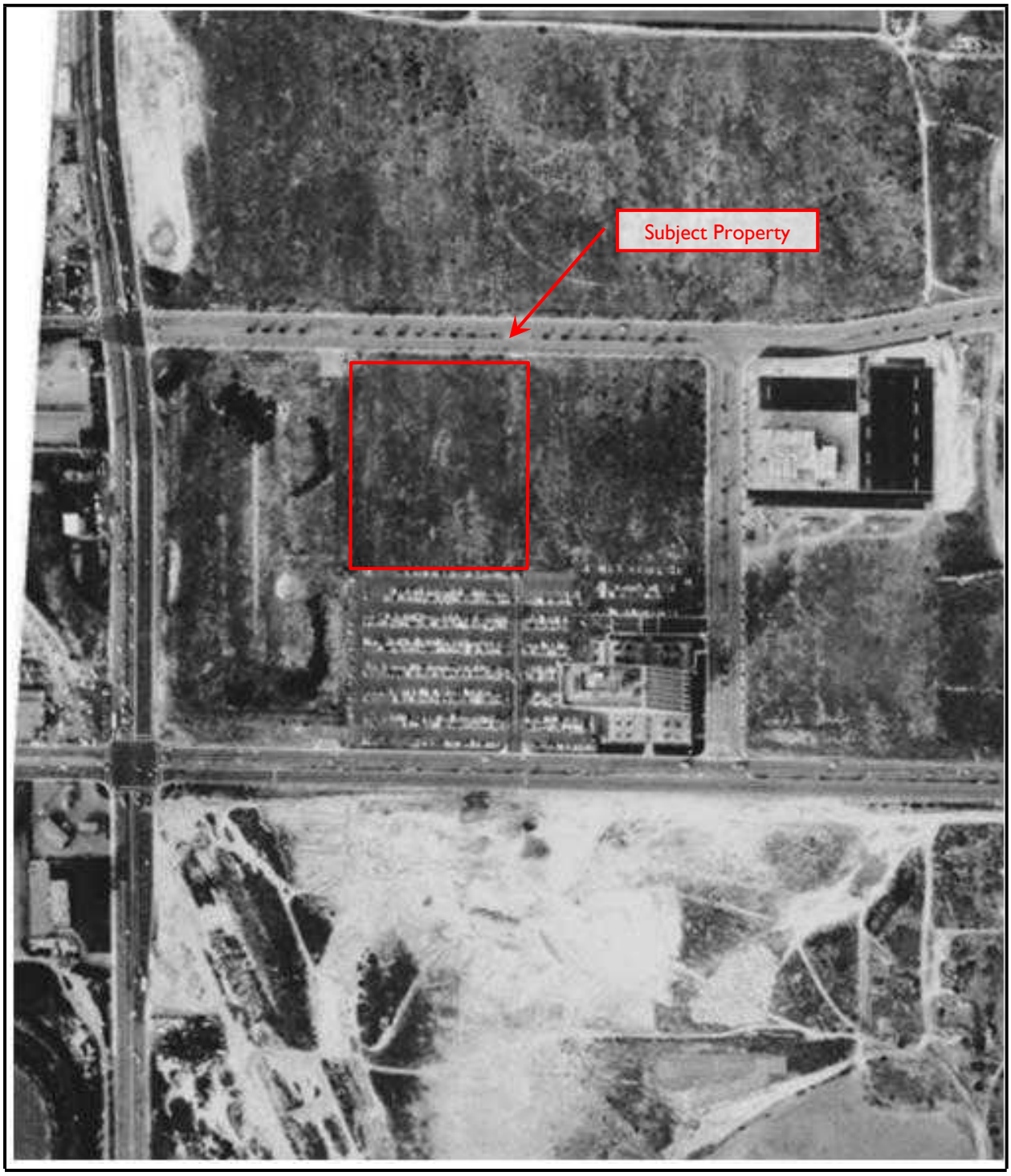
Year: 1953

Aerial Photograph

Year: 1963

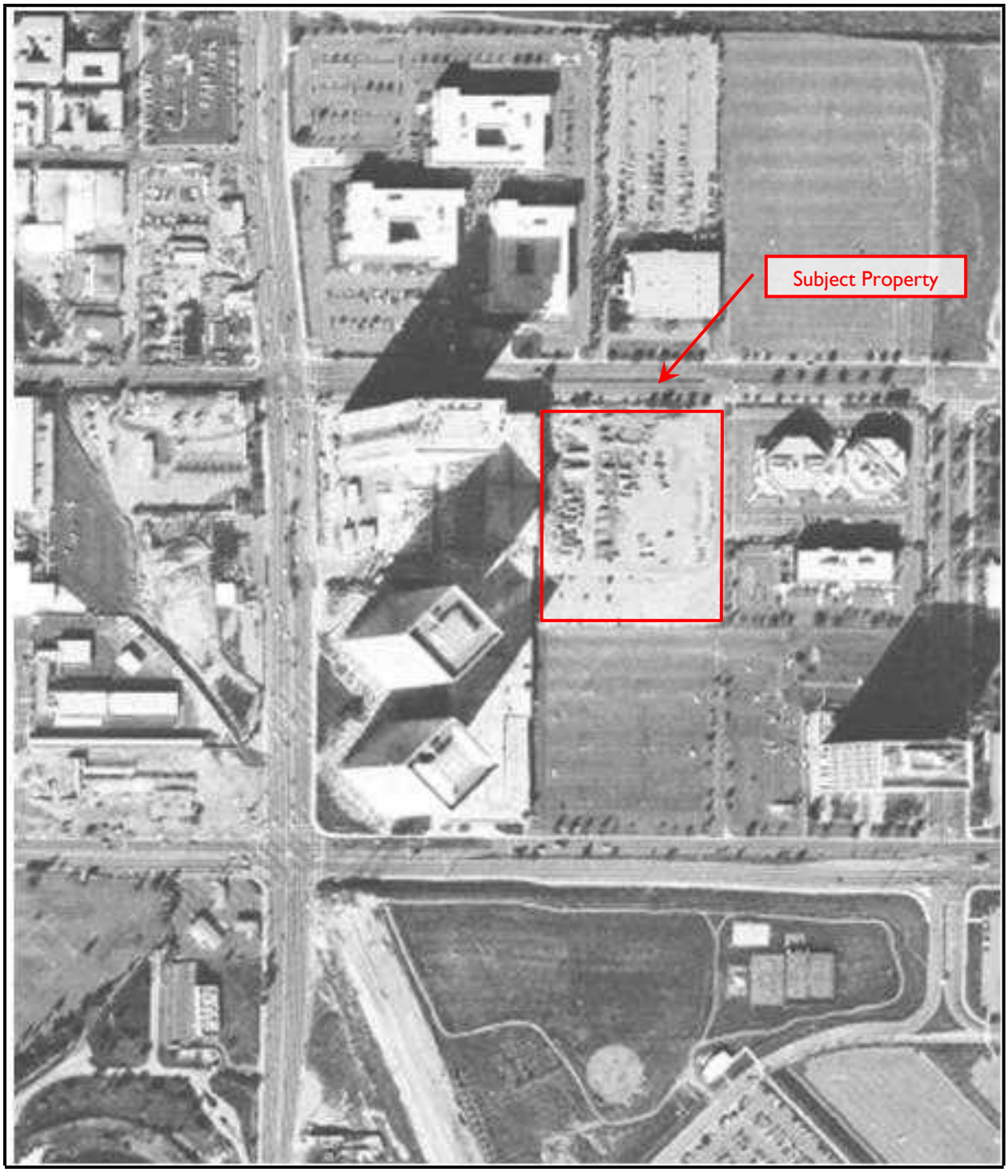
Aerial Photograph

Year: 1972



Aerial Photograph

Year: 1977



Aerial Photograph

Year: 1983

Aerial Photograph

Year: 1989

Aerial Photograph

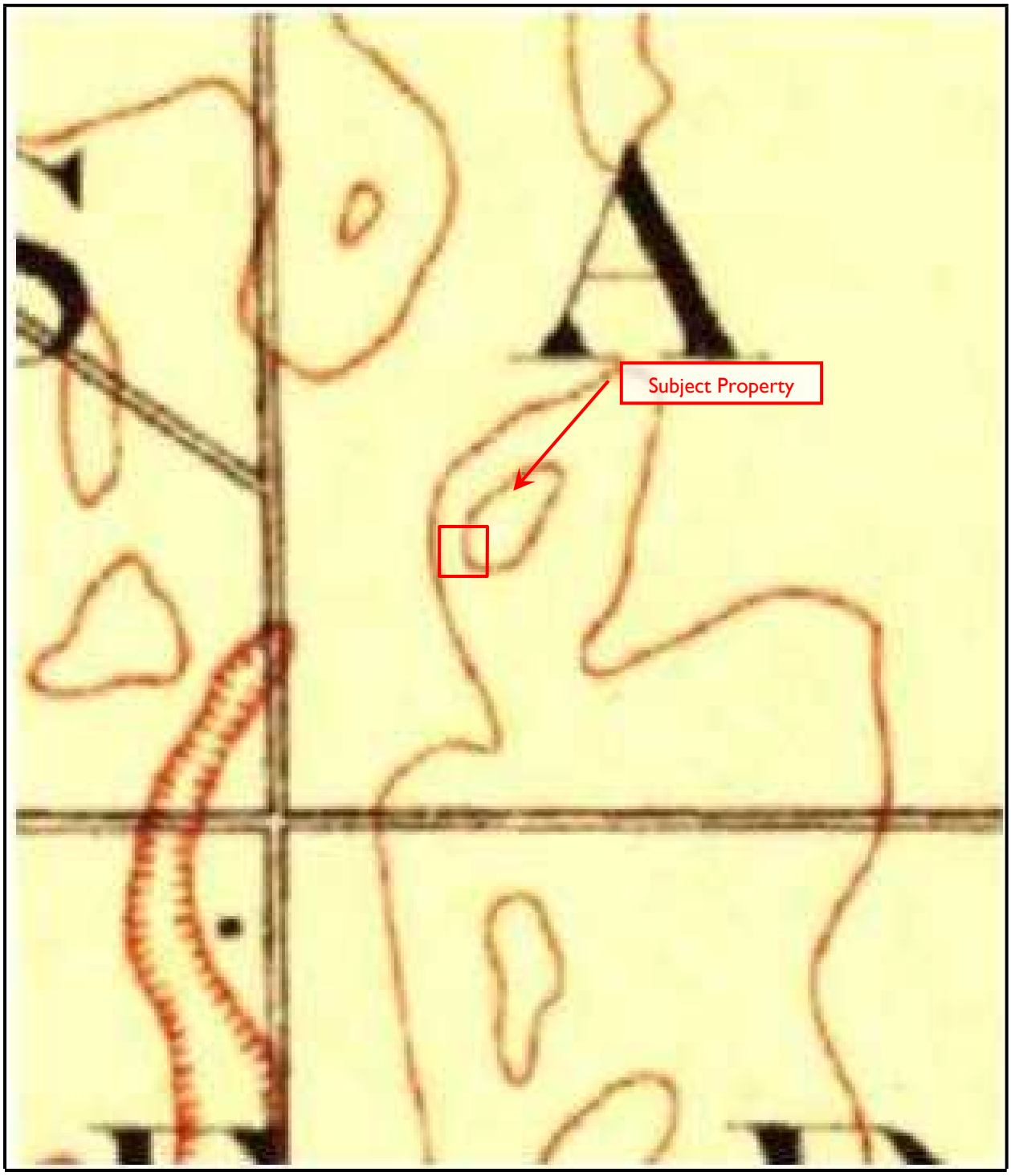
Year: 1994

Aerial Photograph

Year: 2002

Aerial Photograph

Year: 2012

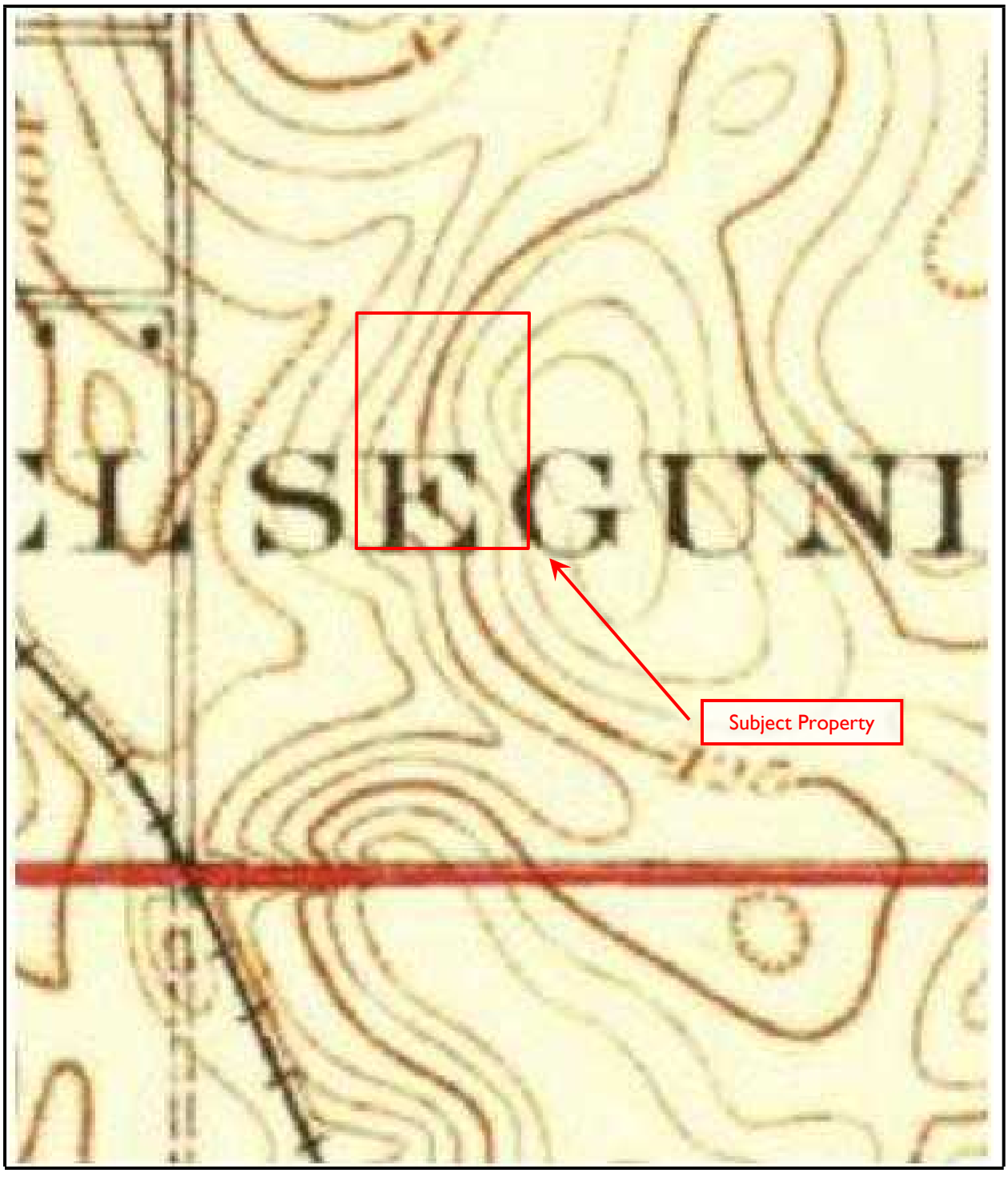


USGS Topographic Map

Year: 1896

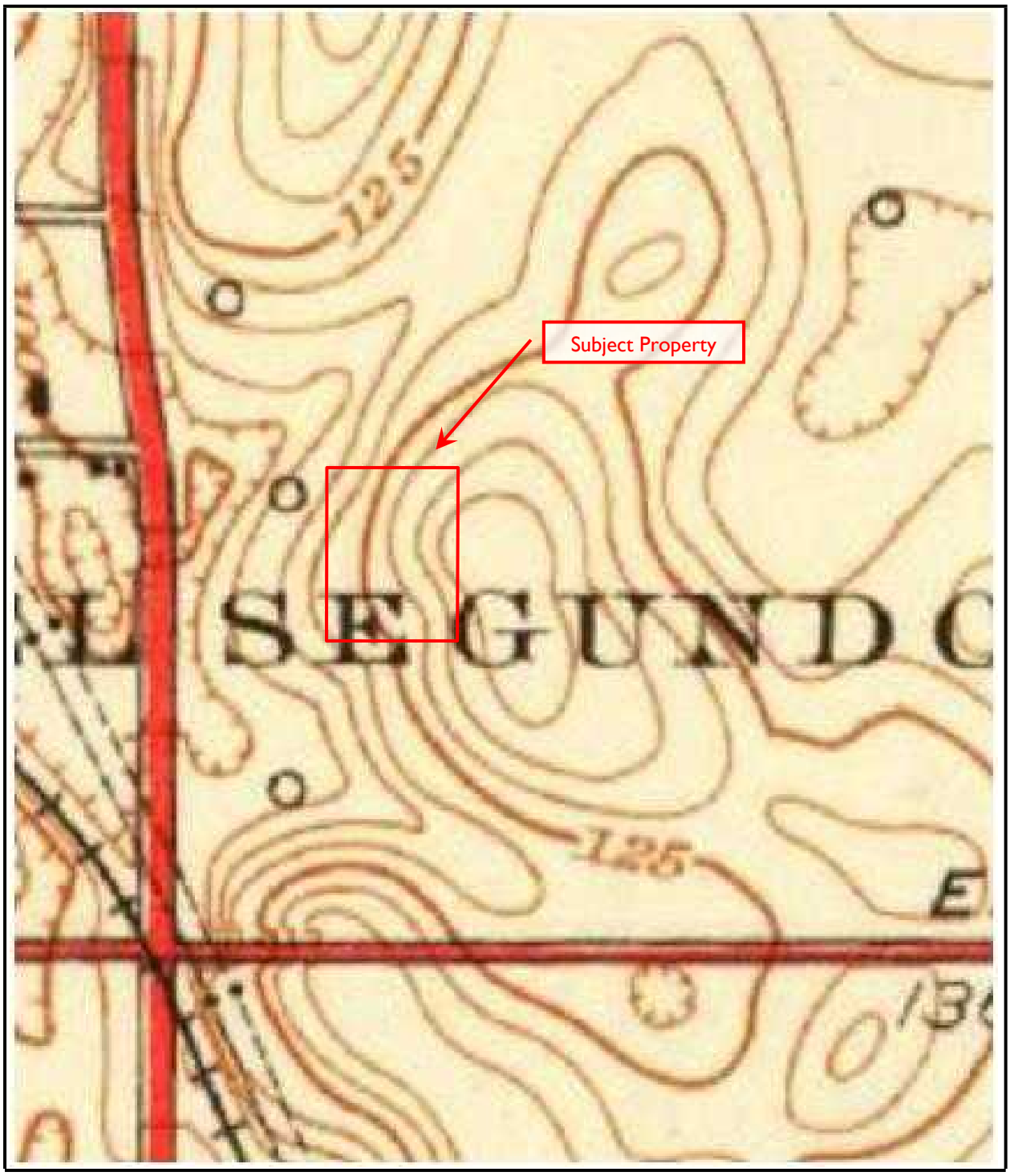
USGS Topographic Map

Year: 1924



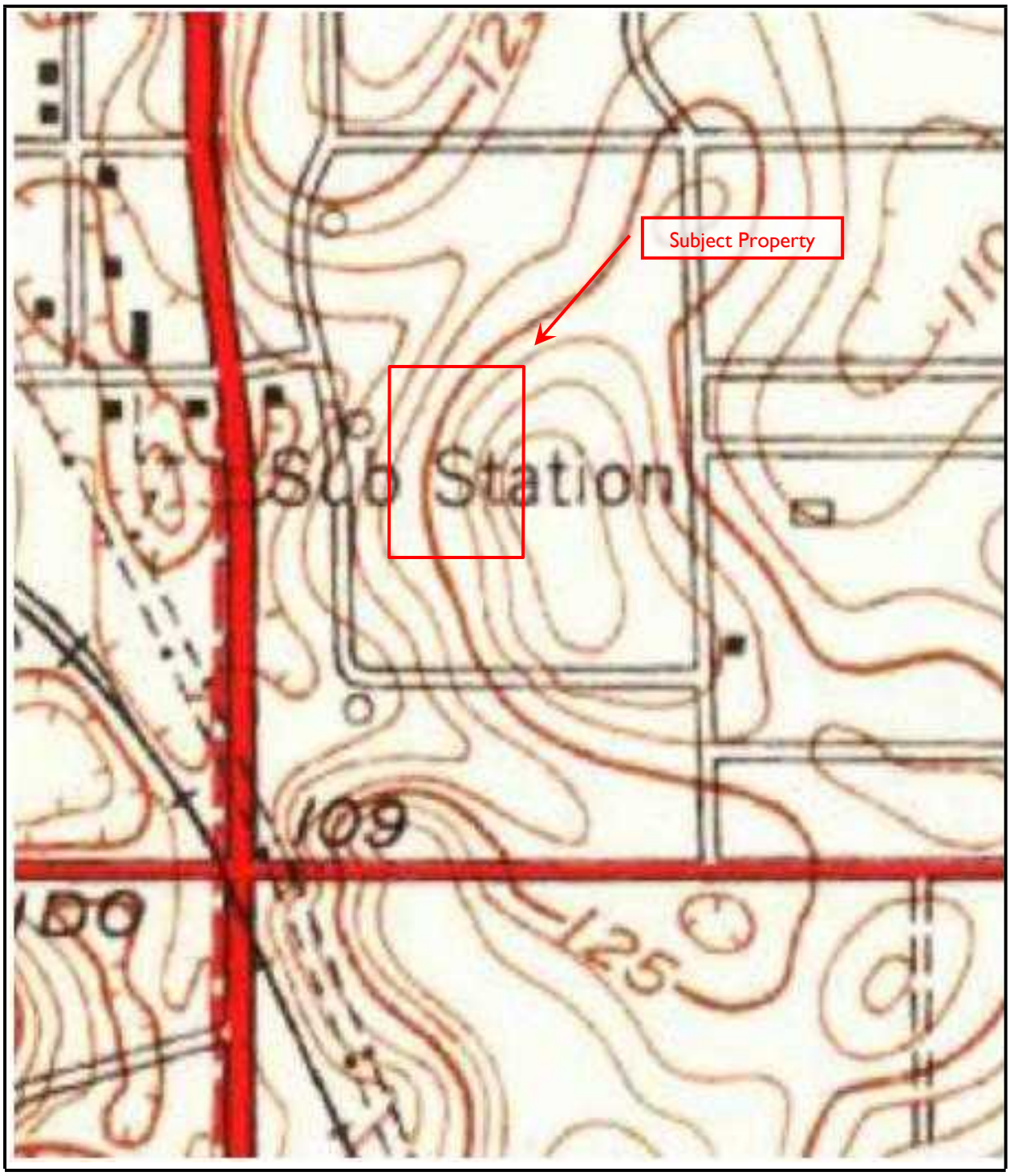
USGS Topographic Map

Year: 1930



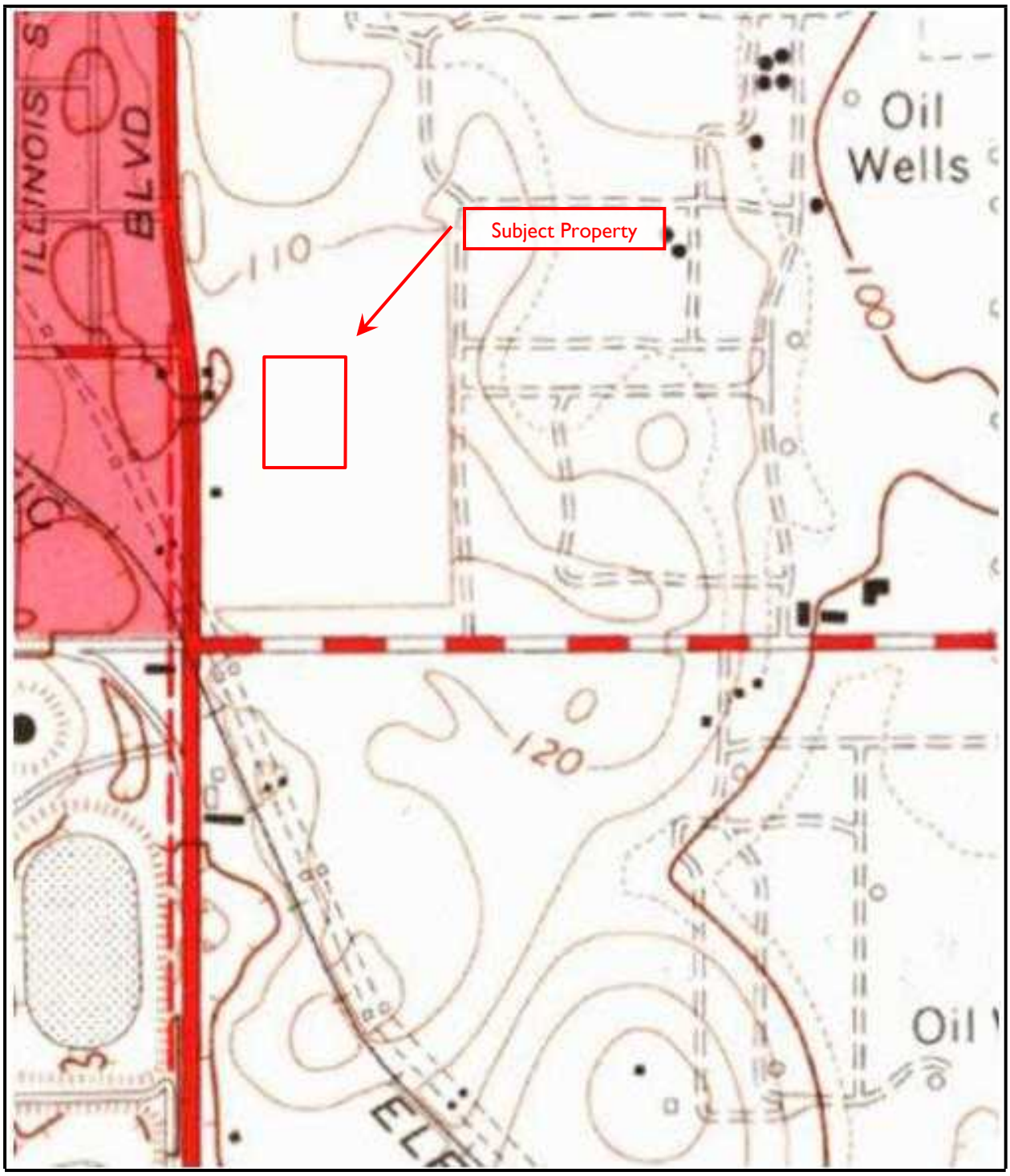
USGS Topographic Map

Year: 1948



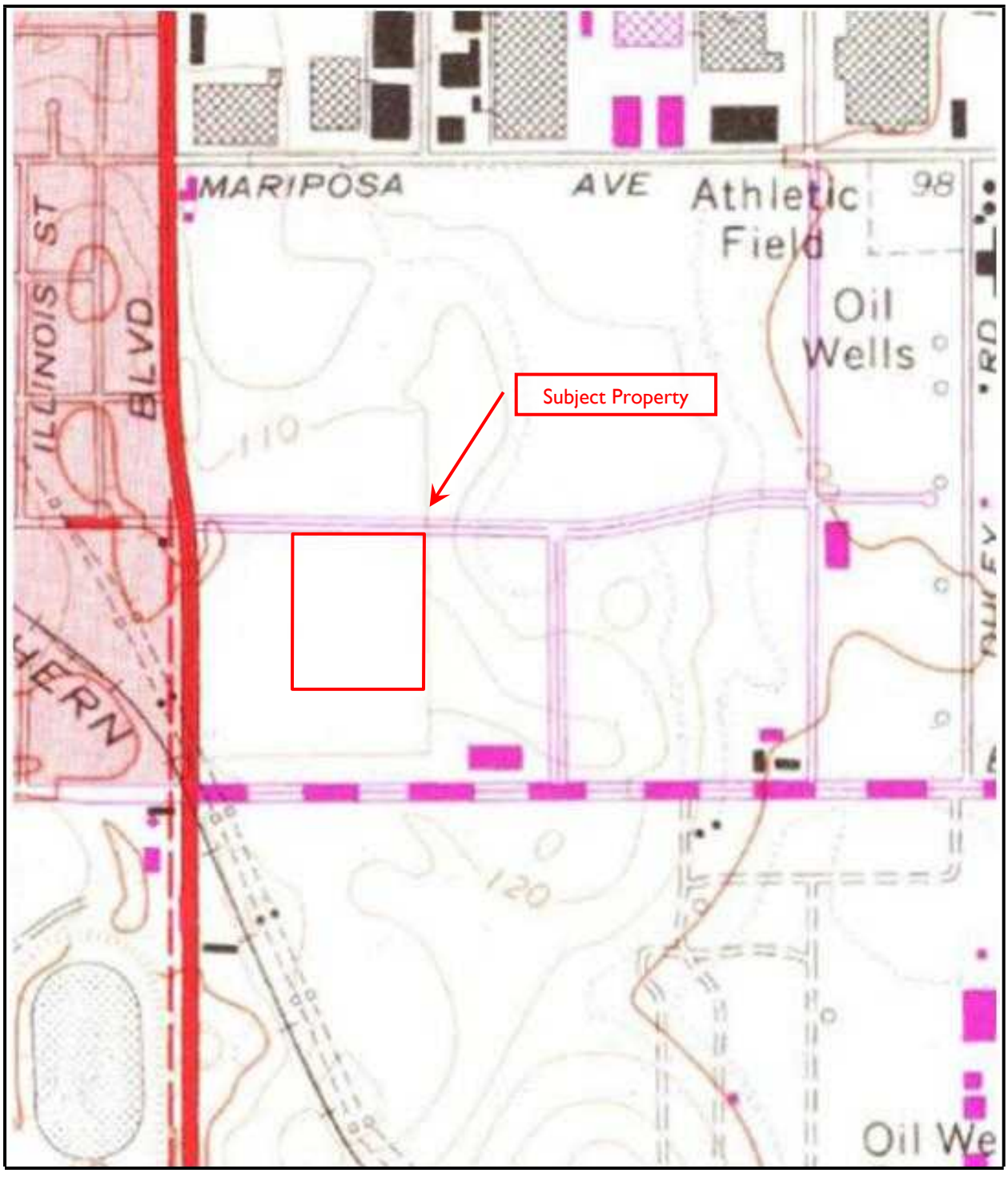
USGS Topographic Map

Year: 1950



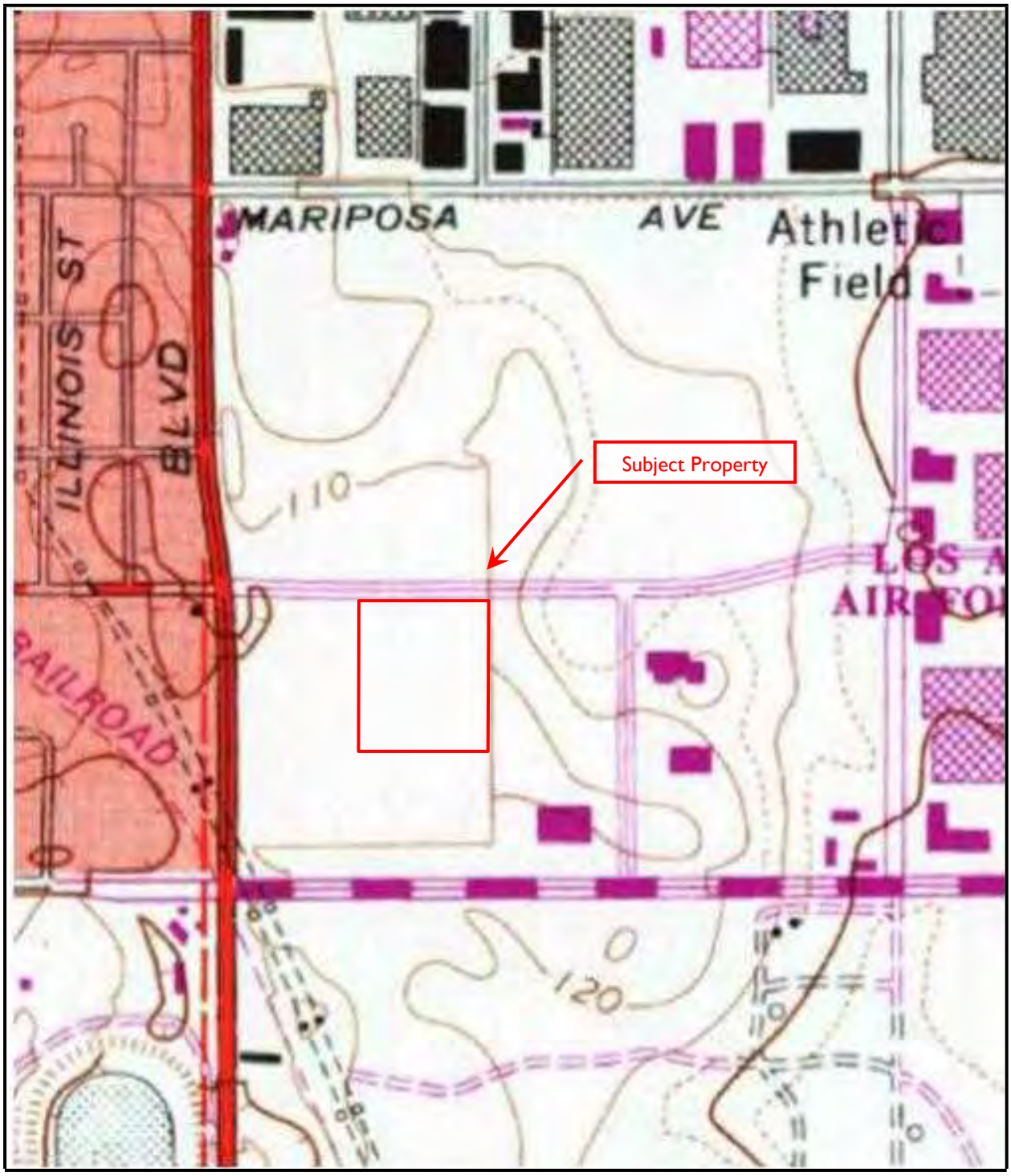
USGS Topographic Map

Year: 1964



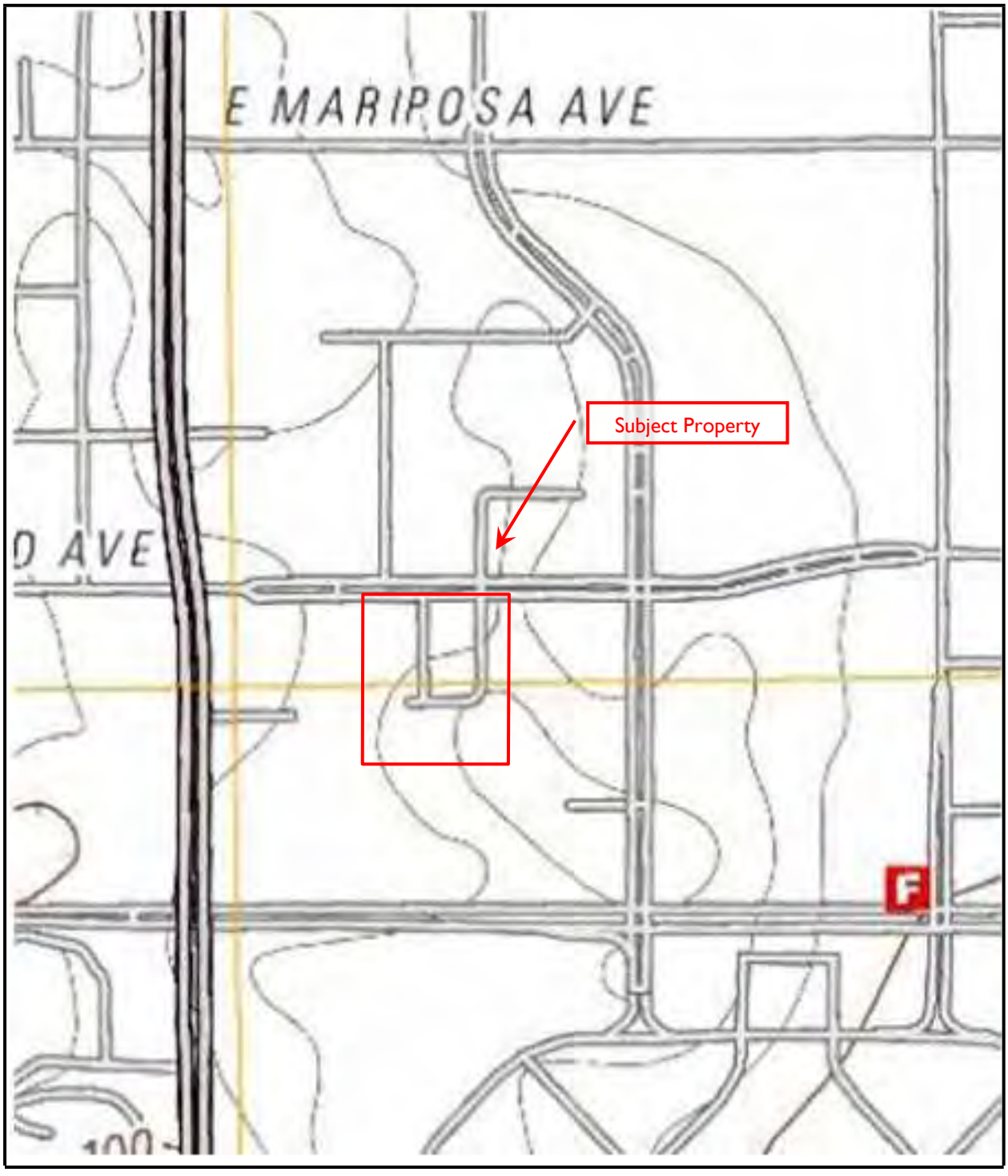
USGS Topographic Map

Year: 1972



USGS Topographic Map

Year: 1981



USGS Topographic Map

Year: 2012

Land Title Inquiries, Inc.

8349 Lorraine Dr.

Strongsville, OH 44149

Phone (440) 846-LAND Email: landtitleinq@aol.com

Order No. 17-034L

Subject Property Address: 1960 East Grand Ave., El Segundo, CA.

Current Owner of Record: The Realty Associates Fund IX, LP

Environmental Lien/AUL Search prepared exclusively for:

EBI Consulting

EBI Project No. 1117000509 Effective Date: January 26, 2017

Land Title Inquiries

Order No. 17-034L

ENVIRONMENTAL LIEN/AUL SEARCH

We have done a search of Los Angeles County Recorders Records for "Environmental Liens" only on the subject property as identified as 1960 East Grand Ave., El Segundo, CA. Tax Parcel No. Map 4138, Parcel 7, Lots 65 & 66 and find the following:

None found

We have done a search of Los Angeles County Recorders Records for "Activity and Use Limitations" (AUL's) only on the subject property as identified as 1960 East Grand Ave., El Segundo, CA. Tax Parcel No. Map 4138, Parcel 7, Lots 65 & 66 and find the following:

None found

APPENDIX G

PORTIONS OF PREVIOUS REPORTS

Phase I Environmental Site Assessment

Grand Avenue Courtyard

1960 East Grand Avenue
El Segundo, California

EBI Project No. 1116005380

October 24, 2016

Prepared for:

TA Realty
28 State Street, 10th Floor
Boston, MA 02109

Prepared by:

EBI Consulting
environmental | engineering | due diligence

EBI Consulting
environmental | engineering | due diligence

21 B Street
Burlington, MA 01803
Tel: (781) 273-2500
Fax: (781) 273-3311
www.ebiconsulting.com

October 24, 2016

Mr. Luke Marchand
TA Realty
28 State Street, 10th Floor
Boston, MA 02109

Subject: Phase I Environmental Site Assessment
Grand Avenue Courtyard
1960 East Grand Avenue, El Segundo, California
EBI Project No. 1116005380

Dear Mr. Marchand:

Attached please find our *Phase I Environmental Site Assessment* (the report) for the above-mentioned asset (the Subject Property). During the survey and research, our surveyor met with agents representing the Subject Property, or agents of the owner, and reviewed the Subject Property and its history. The report was completed according to the terms and conditions authorized by you. This report has been completed in general conformance with the ASTM Standard E 1527-13.

The exclusive purpose of this *Phase I Environmental Site Assessment* (the *Report*) is to observe the general physical condition and maintenance status of the property, to suggest repair or maintenance items considered customary for the property to continue in its current operation compared to properties of similar age and condition, and to assist *TA Realty,* in its pre-sale effort in evaluating their Property.

This *Report* was performed utilizing methods and procedures consistent with established commercial practices and in conformance with industry standards. The suggestions represent EBI's opinion based on written, graphic or verbal information, the property condition and data available to us at the time of the survey. Factual information regarding operations, conditions or data provided by the Client, occupants, owner or their representative has been assumed to be correct and complete.

There are no intended or unintended third party beneficiaries to this report, except as expressly stated herein.

EBI is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the report or on the closing of any business transaction.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Thank you very much for the opportunity to provide environmental consulting services to *TA Realty*. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,
EBI CONSULTING

Maura Kelly
Author / Project Scientist

Emily Celano
Hallie Vitolo
Reviewer / Program Director
hvitolo@ebiconsulting.com
603.818.2750

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EXECUTIVE SUMMARY

At the request of TA Realty, EBI has performed a Phase I Environmental Site Assessment (ESA) of the property located at 1960 East Grand Avenue in El Segundo, California, herein referred to as the Subject Property. The main objective of this ESA was to identify *recognized environmental conditions* in connection with the Subject Property, defined in ASTM Practice E 1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment, or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of ASTM Practice E 1527-13.

The Subject Property includes two contiguous rectangular parcels, cumulatively totaling approximately 5.37 acres. The Subject Property is currently improved with a 12-story, multi-tenant office building, with a gross area of approximately 193,000± square feet. There is no basement present beneath the existing structure. The existing improvements were reportedly constructed in 1987.

At the time of assessment, the Subject Property was occupied by 69 office tenants. Nine vacant tenant spaces were identified at the time of assessment. There are currently no manufacturing or industrial operations conducted at the Subject Property.

Below is the Assessment Summary Table presenting our recommended actions for the Subject Property. EBI's Findings and Opinions are presented in Section 8.0, and recommendations for further action or investigation are presented in Section 9.0.

ASSESSMENT SUMMARY TABLE GRAND AVENUE COURTYARD 1960 EAST GRAND AVENUE, EL SEGUNDO, CALIFORNIA								
ASSESSMENT COMPONENT	**SECTION**	**NO FURTHER ACTION**	**REC**	**HREC**	**CREC**	**OTHER**	**RECOMMENDED ACTION**	**ESTIMATED COST**
Current Occupants/ Operations	**2.3, 5.0**	☒	☐	☐	☐	☐	No Further Action	
Historical Review	**4.3**	☒	☐	☐	☐	☐	No Further Action	
Regulatory Review	**4.1**	☒	☐	☐	☐	☐	No Further Action	
Potential Off-site Sources	**2.5, 4.1**	☒	☐	☐	☐	☐	No Further Action	
Hazardous Substances / Petroleum Products	**5.2**	☒	☐	☐	☐	☐	No Further Action	
Other Suspect Containers	**5.2**	☒	☐	☐	☐	☐	No Further Action	
Waste Generation	**5.3**	☒	☐	☐	☐	☐	No Further Action	
USTs	**5.4**	☒	☐	☐	☐	☐	No Further Action	
ASTs	**5.4**	☒	☐	☐	☐	☐	No Further Action	
PCBs	**5.6**	☒	☐	☐	☐	☐	No Further Action	
Additional Site Conditions	**5.6**	☒	☐	☐	☐	☐	No Further Action	
Asbestos Containing Materials	**7.1**	☒	☐	☐	☐	☐	No Further Action	
Radon	**7.2**	☒	☐	☐	☐	☐	No Further Action	
Lead-based Paint	**7.3**	☒	☐	☐	☐	☐	No Further Action	
Lead in Drinking Water	**7.4**	☒	☐	☐	☐	☐	No Further Action	
Vapor Migration	**4.1.4**	☒	☐	☐	☐	☐	No Further Action	

1.0 INTRODUCTION

This report documents the findings, opinions, and conclusions of a Phase I Environmental Site Assessment (ESA) of the property located at 1960 East Grand Avenue in El Segundo, California.

1.1 PURPOSE

The purpose of this ESA was to identify *recognized environmental conditions* and certain environmental conditions outside the scope of ASTM Practice E 1527-13 in connection with the property at the time of the property reconnaissance.

1.2 SCOPE-OF-SERVICES

This ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1527-13. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1527-13 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils and hydrologic data.
- Subject Property history through a review of referenced sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Current Subject Property conditions, including observations and interviews regarding the following: the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or biomedical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground and underground).
- Usage of surrounding area properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Subject Property.
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances.
- Past ownership through a review of available prior reports and local municipal file review.

The scope-of-work also included consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E 1527-13: asbestos-containing materials (ACM), lead-based paint (LBP), lead in drinking water and radon.

1.3 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

This Phase I Environmental Site Assessment (the report) has been prepared for the use of TA Realty, in accordance with our Standard Conditions for Engagement and Authorization Letter and Agreement for Environmental Services approved and signed by TA Realty (the Agreement), and with the limitations described below, all of which are integral parts of this report. A copy of the signed Standard Conditions For Engagement and Authorization Letter and Agreement for Environmental Services is maintained at the EBI Consulting office in Burlington, Massachusetts. To the extent any provisions of this report conflict with the terms of the Agreement, the Agreement will control.

EBI has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of *ASTM Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This report was prepared with no exceptions or deletions from ASTM Standard E 1527-13.

This Phase I Environmental Site Assessment has been prepared to assess a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is intended to permit TA Realty to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Subject Property consistent with good commercial or customary practice" as defined in 42 U.S.C. § 9601(35)(B).

In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify *recognized environmental conditions*. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to a release to the environment, (2) under conditions that indicate an existing release or a past release, or (3) under conditions that pose a material threat of a future release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term does not include *de minimis conditions* that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The information reported was obtained through sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with the authorities having jurisdiction over the Subject Property. Findings, conclusions, and recommendations included in the report are based on our visual observations in the field, the standard environmental record sources and municipal information reasonably obtained, information provided by the Client, and/or a review of readily available and supplied documents and drawings. EBI relies completely on the information, whether written, graphic, or verbal, provided by the Subject Property contact or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct unless the information is known to be inaccurate or if it is obvious, based on other information obtained as part of the assessment, that the information is not accurate. Although there may have been some degree of overlap in the information provided by these various sources, EBI did not attempt to verify independently the accuracy or completeness of all information reviewed or received during the course of these environmental services.

The information reported, as well as EBI's findings, conclusions, and recommendations are based upon sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record

sources and interviews with authorities having jurisdiction over the Subject Property. TA Realty agrees that EBI has no obligation to verify independently the accuracy or completeness of the information reviewed or received during the course of these environmental services.

EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under un-surveyed and/or inaccessible portions of the Subject Property. Unsurveyed and inaccessible portions of the Subject Property are described below. In addition, EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under the Subject Property where direct observation of the interior walls, floor, or ceiling of a structure was obstructed by objects or coverings on or over these surfaces.

EBI Services and opinions are based on the scientific or technical tests or procedures specifically set forth in the scope of the Services described in this report. The ASTM Standard E 1527-13 does not encompass analytical testing to evaluate asbestos containing materials, radon, lead-based paint, drinking water quality, indoor air quality, stored chemicals, debris, fill materials, surface water, or subsurface samples (soil and groundwater) as part of a Phase I ESA. Because geologic and soil formations are inherently random, variable, and indeterminate in nature, the Services and opinions provided under this Agreement are not guaranteed to be a representation of actual conditions on the Subject Property, which are also subject to change with time as a result of natural or man-made processes, including water permeation. In performing the Services, EBI used that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality at the same time and under similar circumstances. No other representation, expressed or implied, and no warranty or guarantee is included or intended. The report speaks only as of its date, in the absence of a specific written update of the report, signed and delivered by EBI. Additional information that becomes available after our survey and draft submission concerning the Subject Property should be provided to EBI so that our conclusions may be revised and modified if necessary, at additional cost.

Client and EBI agree that to the fullest extent permitted by law, EBI shall not be liable to Client for any special, indirect, consequential, punitive, exemplary, incidental or indirect damages or losses whatsoever, whether caused by EBI's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

The assessment was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession, and in accordance with generally accepted practices of other consultants currently practicing in the same locality under similar conditions.

1.4 SPECIAL TERMS AND CONDITIONS

The exclusive purpose of this Phase I Environmental Site Assessment (the *Report*) is to observe the general physical condition and maintenance status of the property, to suggest repair or maintenance items considered customary for the property to continue in its current operation compared to properties of similar age and condition, and to assist TA Realty, in its pre-sale effort in evaluating their Property. Amendments to EBI's limitations as stated herein that may occur after issuance of the *Report* are considered to be included in this *Report.* EBI's liability to a purchaser wishing to use this *Report* is limited to the cost of the *Report*. By accepting draft and final *Reports*, TA Realty agrees to these terms and limitations.

1.5 DATA GAPS

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the Subject Property and do not alter the conclusions of this report.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 OWNERSHIP AND LOCATION

According to the Los Angeles County Assessor's Office, the Subject Property is currently owned by Realty Associates IX LP.

The Subject Property is located at 1960 East Grand Avenue in El Segundo, Los Angeles County, California. The Subject Property includes two contiguous rectangular parcels, identified by the El Segundo, California Assessor's Office as Map 4138, Parcel 7, Lot 65, and Map 4138, Parcel 7, Lot 66, cumulatively totaling approximately 5.37 acres. The Subject Property is located approximately 540 feet east of the intersection of East Grand Avenue and Sepulveda Boulevard. Figure 1 - Location Map depicts the location of the Subject Property on a street map of El Segundo, California. Figure 2 - Locus Map depicts the location of the Subject Property on the *Venice, California* United States Geological Survey (USGS) 7.5 Minute Topographic Quadrangle. Figure 3 - Site Plan depicts the configuration of the Subject Property and adjoining properties.

2.2 SUBJECT PROPERTY IMPROVEMENTS

The Subject Property is currently improved with a 12-story, multi-tenant office building, with a gross area of approximately 193,000± square feet. There is no basement present beneath the existing structure. The existing improvements were reportedly constructed in 1987.

The existing building is located on the eastern portion of the property. Areas of the Subject Property surrounding the existing building include the following: one 11-story parking garage with two subterranean levels, located on the southwestern portion of the Subject Property; asphalt-paved surface parking, located along the north, east, and west sides of the building; concrete walkways, located throughout the Subject Property; and landscaping surrounding the building. Land and building areas are as follows:

SUBJECT PROPERTY IMPROVEMENTS					
Address	**Floors**	**Basement**	**Area (SF)**	**DOC**	**Lot Size (Acres)**
1960 East Grand Avenue	12	No	193,000	1987	5.37
Parking Garage	11	Yes	246,126	1987	Inclusive

SF: Gross Square Feet
DOC: Date of Construction

2.3 CURRENT USE OF THE SUBJECT PROPERTY

At the time of assessment, the Subject Property was occupied by 69 office tenants. Nine vacant tenant spaces were identified at the time of assessment. There are currently no manufacturing or industrial operations conducted at the Subject Property. EBI was not provided with a copy of the most recent tenant list.

Please refer to Section 5.2 for further discussion regarding hazardous substances and petroleum products at the Subject Property.

2.4 MUNICIPAL SERVICES & UTILITIES

The Subject Property is serviced by the following municipal services and utilities:

MUNICIPAL SERVICES AND UTILITIES	
Utility	**Provider/Source**
Potable Water Supply	City of El Segundo
Sewage Disposal System	City of El Segundo
Electrical Service	Edison
Natural Gas Service	Southern California Gas
Oil Service	None
Heating/Cooling Systems	Natural gas water heaters located in the rooftop mechanical penthouse deliver heated water to VAV boxes above the tenant ceiling spaces and an electric cooling tower supplies cooled air VAV boxes above the tenant ceiling spaces.
Emergency Power	One diesel-fired emergency generator with a self-contained fuel tank

2.5 ADJOINING PROPERTIES

Property use in the vicinity of the Subject Property is primarily characterized by retail/commercial development.

ADJOINING PROPERTIES	
North	The Subject Property is bound to the north by East Grand Avenue, beyond which is Mattel (1955 East Grand Avenue) and a multitenant office complex (300 North Sepulveda Boulevard).
South	The Subject Property is bound to the south by an under-construction commercial development (101 Continental Boulevard).
East	The Subject Property is bound to the east by multitenant commercial structures (1990 East Grand Avenue and 201 Continental Boulevard).
West	The Subject Property is bound to the west by a parking garage (222 North Sepulveda Boulevard).

No visual evidence of adverse environmental conditions was observed during the survey of the adjoining properties. The adjacent property to the northeast, 1955 East Grand Avenue, is identified as a RCRA generator of hazardous waste, a Historic CORTESE site, a LUST site, and a UST site. The adjacent property to the east, 1990 East Grand Avenue, is identified as a Historic CORTESE site, and LUST site, and a UST site. These sites are further discussed in Section 4.1.1 and 4.1.2.

3.0 USER PROVIDED INFORMATION

The following section summarizes information provided by TA Realty with regard to this Phase I Environmental Site Assessment. Additionally, a User Questionnaire was forwarded to the designated Client contact. The User Questionnaire has not been completed and returned to our offices. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. Relevant documentation referenced below is presented in Appendix C.

3.1 TITLE RECORDS

Title record information associated with the Subject Property has not been provided to EBI by TA Realty. A detailed discussion regarding review of information obtained from other sources is presented in Section 4.3.5 of this report.

3.2 ENVIRONMENTAL LIENS AND ACTIVITY AND USE LIMITATIONS

TA Realty has provided no information regarding environmental liens or activity and use limitations in connection with the Subject Property. A discussion regarding environmental liens is presented in Section 4.3.7 of this report. A detailed discussion regarding activity and use limitations is presented in Sections 4.1.1 and 4.1.2 of this report.

3.3 SPECIALIZED KNOWLEDGE

TA Realty provided no specialized knowledge that is material to recognized environmental conditions in connection with the Subject Property. EBI was not provided with or made aware of previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the Subject Property, except as presented in Section 4.3.8 of this report.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

TA Realty has provided no commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

TA Realty has provided no information regarding valuation reduction for environmental issues in connection with the Subject Property.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

TA Realty provided contact information for the Subject Property owner, manager and/or occupants.

3.7 REASON FOR PERFORMING PHASE I ESA

TA Realty retained EBI to complete this Phase I Environmental Site Assessment in connection with a real estate transaction.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORDS

A review of standard environmental databases maintained by Federal, state, and tribal offices was completed through Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. The databases were searched for properties with reported environmental conditions located within approximate minimum search distances as specified by ASTM Standard E 1527-13, by using geocoding information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded "orphan" properties within the same zip code. The database report is presented in Appendix E.

The database report identified five "orphan sites". Orphan sites are those sites that could not be accurately mapped or geocoded due to inadequate location information. EBI attempted to locate these sites via vehicular reconnaissance and interviews with personnel familiar with the area. Based on this research, EBI did not identify listed orphan sites within the approximate minimum search distances that may be considered likely to have impacted conditions at the Subject Property.

It should be noted that plotted locations of listed sites are not always accurate. With regard to listings that are determined or suspected to be inaccurate, based on information from other sources such as direct observation or consultation with individuals familiar with the property, EBI uses the best available data when evaluating the location of listed sites discussed below.

The following table provides a summary of the findings of the environmental database report. Specific properties identified within the database report are further discussed below.

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS			
Regulatory Database	**Approximate Minimum Search Distance**	**Subject Property Listed**	**Off-site Listings Within Search Distance**
Federal NPL Sites	1.0 mile	No	0
Federal Delisted NPL Sites	0.5 mile	No	0
Federal CERCLIS Sites	0.5 mile	No	0
Federal CERCLIS NFRAP Sites	0.5 mile	No	**6**
Federal RCRA CORRACTS Sites	1.0 mile	No	**5**
Federal RCRA non-CORRACTS TSD Sites	0.5 mile	No	**4**
Federal RCRA Generators Sites	Property & Adjoining	**Yes**	**1**
Federal Engineering / Institutional Control Sites	0.5 mile	No	0
Federal ERNS Sites	Property	No	NA
Federal FINDS Sites	Property	**Yes**	NA
Federal ECHO Sites	Property	**Yes**	NA
CA Annual Workplan Sites (AWP)	1.0 mile	No	0
CA High-Priority Confirmed Release Sites (RESPONSE)	1.0 mile	No	0
CA Hazardous Waste Sites (ENVIROSTOR)	1.0 mile	No	**20**
CA Cal-Sites/HIST Cal-Sites	1.0 mile	No	0
CA Proposition 65 Notification Records (Notify 65)	1.0 mile	No	0
CA Toxic Pits Cleanup Act Sites (Toxic Pits)	1.0 mile	No	0
CA Bond Expenditure Plan	1.0 mile	No	**1**
CA Hazardous Waste and Substances Sites List (Cortese/HIST Cortese)	0.5 mile	No	**13**

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS			
Regulatory Database	**Approximate Minimum Search Distance**	**Subject Property Listed**	**Off-site Listings Within Search Distance**
CA Spill, Leaks, Investigations, and Cleanup (SLIC)	0.5 mile	No	**3**
CA Voluntary Cleanup Program (VCP) Properties	0.5 mile	No	**2**
CA Leaking Underground and Aboveground Storage Tanks (LUST/LAST)	0.5 mile	No	**16**
CA Storage Tank Databases (AST. UST, FID UST, HIST UST, SWEEPS UST)	Property & Adjoining	No	**3**
CA Solid Waste Information System (SWIS and SWF/LF)	0.5 mile	No	0
CA Waste Management Unit Database / Solid Waste Assessment Test (WMUDS/SWAT)	0.5 mile	No	0
CA Hazardous Material Incident Report System (CHMIRS)	Property	No	NA
CA Hazardous Waste Information System (HAZNET)	Property	**Yes**	NA
CA Engineering Control / Institutional Control Registries	0.5 mile	No	0
CA Brownfields	0.5 mile	No	0
Tribal Environmental Databases	1.0 mile	No	0

4.1.1 Federal Agency Database Records

National Priority List (NPL)
The NPL database, also known as the Superfund List, is a subset of CERCLIS and identifies sites that are ranked as high priority for remedial action under the Federal Superfund Act. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the NPL.

Delisted National Priority List (NPL)
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the Delisted NPL database.

Superfund Enterprise Management System (SEMS)
SEMS tracks federal hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of the USEPA's Superfund Program. The list was formerly known as CERCLIS and was renamed at the end of 2015. The list contains data regarding potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). SEMS also contains sites that are either proposed to or on the National Priority List (NPL), as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the SEMS database.

SEMS – ARCHIVE
SEMS-ARCHIVE tracks sites that have been removed from the SEMS list. This list was formerly known as the CERCLIS- NFRAP list and was renamed SEMS-Archive at the end of 2015. SEMS-ARCHIVE sites may be sites where, following an initial investigation, no contamination was found, contamination was

removed without the need for the site to be placed on the NPL, or the contamination was not considered sufficient to warrant Federal Superfund action or NPL consideration. The Subject Property was not identified on the SEMS-ARCHIVE database. However, six sites located within 0.5 mile of the Subject Property were identified on the SEMS-ARCHIVE database. Information regarding the listed sites is presented in the following table:

SEMS-ARCHIVE			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E El Segundo Blvd El Segundo, CA 90245	1,382 feet/ Southeast/ Crossgradient	CAD000633230	Discovery: 05/21/1991 Preliminary Assessment: 09/12/1991 Status: SEMS-ARCHIVE
Allied Sales & Salvage 160 S Sepulveda Blvd El Segundo, CA 90245	1,875 feet/ South-southwest/ Crossgradient	CAD063821789	Discovery: 05/01/1986 Preliminary Assessment: 01/01/1987 Status: SEMS-ARCHIVE
International Rectifier 233 Kansas Street El Segundo, CA 90245	1,953 feet/ West-northwest/ Crossgradient	CAD076208313	Discovery: 08/23/1995 Preliminary Assessment: 09/24/1996 Status: SEMS-ARCHIVE
Northrop Corp Aircraft Div 2043 E Mariposa Avenue El Segundo, CA 90245	1,996 feet/ Northeast/ Crossgradient	CAD000627216	Discovery: 05/08/1990 Preliminary Assessment: 06/06/1990 Status: SEMS-ARCHIVE
Devlin Pharmaceuticals Inc 700 N Sepulveda Blvd El Segundo, CA 90245	2,253 feet/ North-northwest/ Crossgradient	CAD981373848	Discovery: 02/01/1986 Preliminary Assessment: 05/01/1986 Status: SEMS-ARCHIVE
Hughes Aircraft Co Radar System 2060 E. Imperial Hwy. El Segundo, CA 90245	2,578 feet/ North-northeast/ Crossgradient	CAT080010853	Discovery: Not reported Preliminary Assessment: Not reported Status: SEMS-ARCHIVE

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified SEMS-ARCHIVE facilities represent an environmental concern to the Subject Property.

Resource Conservation and Recovery Act (RCRA) – Corrective Action Tracking System (CORRACTS)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information regarding sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The RCRA-CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA. The Subject Property was not identified on the RCRA CORRACTS database. However, five sites located within 1.0 mile of the Subject Property were identified on the RCRA CORRACTS database. Information regarding the listed sites is presented in the following table:

RCRA-CORRACTS			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E El Segundo Blvd El Segundo, CA 90245	1,382 feet/ Southeast/ Crossgradient	CAD000633230	(1) Violation: 01/24/1992 Date of Compliance: Not reported
Northrop Corp Aircraft Div 2043 E Mariposa Avenue El Segundo, CA 90245	1,996 feet/ Northeast/ Crossgradient	CAD000627216	(1) Violation: 06/06/1990 Date of Compliance: Not reported
The Boeing Company 1920 E. Imperial Hwy El Segundo, CA	4,030 feet/ North/ Crossgradient	CAD060897063	(1) Violation: 02/27/1991 Date of Compliance: Not reported (1) Violation: 08/14/1992 Date of Compliance: Not reported
Rockwell International 815 Lapham St El Segundo, CA 90245	4,224 feet/ Northeast/ Crossgradient	CAD097855126	(1) Violation: 12/03/1993 Date of Compliance: Not reported
Bldg. 902 500 N Douglas St El Segundo, CA 90245	4,651 feet/ East-northeast/ Crossgradient	CAD000627273	(1) Violation: 05/21/1990 Date of Compliance: Not reported (1) Violation: 03/27/1992 Date of Compliance: Not reported

* Presumed hydrogeologic gradient based upon regional topography

Based upon the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified RCRA-CORRACTS facilities represent an environmental concern to the Subject Property.

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) facilities are required to register hazardous waste activity under the Resource Conservation and Recovery Act (RCRA). The Subject Property was not identified on the RCRA non-CORRACTS TSD database. However, four sites located within 0.5 mile of the Subject Property were identified on the RCRA non-CORRACTS TSD database. Information regarding the listed sites is presented in the following table:

RCRA NON-CORRACTS TSD			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Raytheon Company 2000 E El Segundo Blvd El Segundo, CA 90245	1,382 feet/ Southeast/ Crossgradient	CAD000633230	(1) Violation: 06/22/2006 Date of Compliance: 07/21/2006 (6) Violations: 04/27/2000 Date of Compliance: 09/06/2002 (4) Violations: 08/16/1994 Date of Compliance: 10/14/1994 (3) Violations: 01/25/1994 Date of Compliance: 02/28/1994 (1) Violation: 11/22/1991 Date of Compliance: 01/06/1994 (2) Violations: 08/05/1991 Date of Compliance: 11/18/1991 (2) Violations: 09/06/1989 Date of Compliance: 01/06/1994 (2) Violations: 09/06/1989 Date of Compliance: 11/18/1991
Northrop Corp Aircraft Div 2031 E Mariposa Ave El Segundo, CA 90245	1,769 feet/ North-northeast/ Crossgradient	CAD009687336	(1) Violation: 06/26/1987 Date of Compliance: 09/15/1988 (1) Violation: 01/13/1987 Date of Compliance: 08/03/1987
Northrop Corp Aircraft Div 2043 E Mariposa Avenue El Segundo, CA 90245	1,996 feet/ Northeast/ Crossgradient	CAD000627216	(2) Violations: 05/18/1989 Date of Compliance: 08/17/1989
Hughes Aircraft Co Radar System 2060 E. Imperial Hwy. El Segundo, CA 90245	2,578 feet/ North-northeast/ Crossgradient	CAT080010853	(1) Violation: 06/28/2006 Date of Compliance: 07/21/2006 (1) Violation: 05/03/1995 Date of Compliance: 01/01/1996 (2) Violations: 12/09/1991 Date of Compliance: 01/09/1992 (1) Violation: 05/13/1988 Date of Compliance: 05/13/1988 (1) Violation: 03/22/1988 Date of Compliance: 03/22/1988 (1) Violation: 12/12/1985 Date of Compliance: 01/01/1986 (1) Violation: 05/09/1984 Date of Compliance: 01/01/1985

* Presumed hydrogeologic gradient based upon regional topography

Based upon the absence of open violations and/or the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified RCRA NON-CORRACTS TSD facilities represent an environmental concern to the Subject Property.

RCRA Hazardous Waste Generators

Hazardous waste generators tracked under the Resource Conservation and Recovery Act (RCRA) are classified as either Large Quantity Generators (LQGs), Small Quantity Generators (SQGs), or Conditionally Exempt Small Quantity Generators (CESQG). A RCRA-LQG is defined as a facility that generates over 1,000 kilograms (Kg) of hazardous waste, or over 1 Kg of acutely hazardous waste per month. A RCRA-SQG is defined as a facility that generates between 100 Kg and 1,000 Kg of hazardous

waste per month. A RCRA-CESQG is defined as a facility that generates less than 100 Kg of hazardous waste, or less than 1 Kg of acutely hazardous waste per month. The Subject Property and one adjoining property were identified on the RCRA Generator database. Information regarding the listed sites is presented in the following table:

RCRA GENERATORS			
Site	**Distance / Direction / Gradient***	**EPA ID No.**	**Regulatory Status**
Team One Advertising 1960 East Grand Ave Suite E El Segundo, CA 90245	Subject Property	CAD982504094	No violations found
Mattel Inc 1955 E Grand Ave El Segundo, CA 90245	Adjacent/ North-northeast/ Crossgradient	CAD983655804	No violations found

* Presumed hydrogeologic gradient based upon regional topography

One former occupant of the Subject Property, Team One Advertising, was listed RCRA-SQG of hazardous waste. According to Mr. Don McCurry, Facility Engineer, Team One Advertising was a marketing firm occupying office space in the building. Based upon information presented in the environmental database report, Team One Advertising formerly generated between 100 Kg and 1,000 Kg of hazardous waste per month, although the nature of the waste is not identified in the environmental database report. No violations were reported for Team One Advertising. Based upon the absence of reported violations associated with this listing, the decommissioning of this facility, and the site conditions observed at the time of EBI's reconnaissance, the former RCRA-SQG database listing for Team One Advertising is not considered to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property.

Based upon the absence of reported violations and the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified RCRA Generator facility represent an environmental concern to the Subject Property.

Federal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on Federal Engineering Control or Institutional Control Registries.

Emergency Response Notification System (ERNS)

ERNS is a national database used to collect information regarding reported releases of petroleum products and/or hazardous substances. The database contains information from spill reports submitted to Federal agencies, including the EPA, the U.S. Coast Guard, the National Response Center, and the U.S. Department of Transportation. A review of this database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property. The Subject Property was not identified on the ERNS database.

Facility Index System/Facility Registry System (FINDS)
FINDS is a centrally managed database by the USEPA that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The database provides information regarding environmental activities that may affect air, water, and land in the United States. It is usually a cross-reference to other sources/databases that contain more detail. The Subject Property was identified on the FINDS database. Information regarding the Subject Property is presented in the following table:

FINDS SITES			
Site	**Distance / Direction / Gradient***	**ID No.**	**Environmental Interest/ Information System**
Team One Advertising 1960 East Grand Ave Suite E El Segundo, CA 90245	Subject Property	110002835175	RCRAInfo

* Presumed hydrogeologic gradient based upon regional topography

The Subject Property is listed on the RCRAInfo, a national information system supporting the TCRA program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. The Subject Property does not appear on any FINDS systems that report known or suspected contamination, and no additional action or investigation regarding these listings is recommended.

Enforcement & Compliance History Information (ECHO)
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide. The Subject Property was identified on the ECHO database. Information regarding the Subject Property is presented in the following table:

ECHO SITES			
Site	**Distance / Direction / Gradient***	**ID No.**	**Regulatory Status**
Team One Advertising 1960 East Grand Ave Suite E El Segundo, CA 90245	Subject Property	110002835175	Current Compliance Status: No violation

* Presumed hydrogeologic gradient based upon regional topography

One former occupant of the Subject Property, Typographic House, Inc., was identified on the ECHO database. Based upon the absence of reported violations, the absence of current violations, the decommissioning of this facility, and the conditions observed at the time of EBI reconnaissance, it is considered unlikely that conditions associated with the Subject Property ECHO listing represent an environmental concern to the Subject Property.

4.1.2 State and Tribal Agency Database Records

Annual Workplan Sites (AWP)
The California Department of Toxic Substance Control (DTSC) Annual Workplan Sites (AWP) identifies known hazardous substance release sites targeted for cleanup. The data source is the California Environmental Protection Agency. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the AWP database.

California High-Priority Confirmed Release Sites (RESPONSE)

The California High-Priority Confirmed Release Sites (RESPONSE) database contains confirmed release sites where the California Department of Toxic Substance Control (DTSC) is involved in the remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the RESPONSE database.

California Hazardous Waste Sites (ENVIROSTOR)

The California Hazardous Waste Sites (ENVIROSTOR) database contains potential or confirmed hazardous substance release sites, or sites for which there may be reasons to investigate further, identified by the California DTSC. The database includes the following site types: Federal NPL; State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. The Subject Property was not identified on the ENVIROSTOR database. However, 20 sites located within 1.0 mile of the Subject Property were identified on the ENVIROSTOR database. Of the listed sites, 19 sites are located greater than 0.25 mile from the Subject Property. Based upon the distance and/or hydrogeologic separation from the Subject Property, these 19 sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. Information regarding the SHWS sites located within 0.25 mile of the Subject Property is presented in the following table:

ENVIROSTOR			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Raytheon Space and Airborne Systems 2000 E El Segundo Blvd El Segundo, CA 90245	1,113 feet/ South/ Crossgradient	80001335	Notification Date: Not reported Contaminants: 1,1,1-Trochloroethane Media Impacted: Soil Status: Active Date of Closure: NA

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified ENVIROSTOR Sites represent an environmental concern to the Subject Property.

Cal-Sites/HIST Cal-Sites

Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control (DTSC). This database is no longer updated by the state agency. It has been replaced by ENVIROSTOR. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the Cal-Sites/HIST Cal-Sites databases.

Proposition 65 Notification Records (Notify 65)

Proposition 65 Notification Records contain facility notifications regarding any release that could potentially impact drinking water and thereby expose the public to a potential health risk. The Notify 65 database includes listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the Notify 65 database.

Toxic Pits Cleanup Act Sites (Toxic Pits)

The Toxic Pits Cleanup Act Sites (Toxic Pits) database contains sites identified by the California Water Resources Control Board that are suspected to contain hazardous substances where cleanup has not yet been completed. Neither the Subject Property nor any sites located within 1.0 mile of the Subject Property were identified on the Toxic Pits database.

California Bond Expenditure Plan

The California Bond Expenditure Plan was developed by the California Department of Health Services as a site-specific expenditure plan for the appropriation of Hazardous Substance Cleanup Bond Act funds. The Subject Property was not identified on the California Bond Expenditure Plan database. However, one site located within 1.0 mile of the Subject Property was identified on the California Bond Expenditure Plan database. Information regarding the listed site is presented in the following table:

CALIFORNIA BOND EXPENDITURE PLAN			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Fort McArthur 200 North Douglas Street, Bldg. 212 San Pedro, CA 90245	3,106 feet/ East/ Upgradient	Not reported	Notification Date: Not reported Contaminants: Not reported Media Impacted: Soil Status: IRP Initiated Date of Closure: NA

* Presumed hydrogeologic gradient based upon regional topography

Based upon the separating distance/presumed hydrogeologic gradient relative to the Subject Property and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified Toxic Pits site represent an environmental concern to the Subject Property.

Hazardous Waste and Substances Sites List (Cortese/HIST Cortese)

The Hazardous Waste and Substance Site List (also known as the Cortese/HIST Cortese databases) is a planning document used by the State, local agencies, and developers to comply with California Environmental Quality Act requirements in providing information regarding the location of hazardous materials releases. Government Code Section 65962.5 requires the California Environmental Protection Agency to develop at least annually an updated Cortese List. The California DTSC is responsible for preparing a portion of the information that comprises the Cortese List, and other state and local government agencies are required to provide additional hazardous material release information for the Cortese/HIST Cortese databases. The Subject Property was not identified on the Cortese/HIST Cortese databases. However, 13 sites located within 0.5 mile of the Subject Property were identified on the Cortese/HIST Cortese databases. Of the listed sites, nine sites are located greater than 0.25 mile from the Subject Property. Based upon the distance and/or hydrogeologic separation from the Subject Property, these nine sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. Information regarding the SHWS sites located within 0.25 mile of the Subject Property is presented in the following table:

CORTESE/HIST CORTESE			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Mattel Inc 1955 E Grand Ave El Segundo, CA 90245	Adjacent/ North-northeast/ Crossgradient	902450089	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 02/02/1998
Hughes Aircraft Co CSG 1990 Grand Ave E El Segundo, CA 90245	Adjacent/ East/ Upgradient	R-13532	Notification Date: 08/19/1996 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 08/19/1996
Jim & Jack Auto Body 307 Sepulveda Blvd N El Segundo, CA 90245	936 feet/ West-northwest/ Crossgradient	I-13092	Notification Date: 10/02/1989 Contaminants: Waste oil/motor/hydraulic/lubricating Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 10/08/1992
Hughes Aircraft Company 2000 El Segundo Blvd E El Segundo, CA 90245	1,113 feet/ South/ Crossgradient	R-10917X	Notification Date: 01/14/1986 Contaminants: Solvents Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 07/22/1996

* Presumed hydrogeologic gradient based upon regional topography

Based upon the absence of open violations and/or the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified Cortese/HIST Cortese facilities represent an environmental concern to the Subject Property.

Spill, Leaks, Investigations, and Cleanup (SLIC)

The Spills, Leaks, Investigations, and Cleanups (SLIC) database, maintained by the California Water Resources Control Board, includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites. The Subject Property was not identified on the SLIC database. However, three sites located within 0.5 mile of the Subject Property were identified on the SLIC database. Information regarding the listed sites is presented in the following table:

SLIC			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
West Coast Barrier Proj 9 E Segundo Blvd El Segundo, CA 90245	1,842 feet/ Southwest/ Crossgradient	SL599992902	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: Completed – Case Closed Date of Closure: 08/30/2002
Int Rectifier Corp El Segundo 233 Kansas St El Segundo, CA 90245	2,241 feet/ West/ Downgradient	SL184571440	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: Completed – Case Closed Date of Closure: 02/27/1997

SLIC			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
International Rectifier Corp. 233 Kansas El Segundo, CA 90245	2,241 feet/ West/ Downgradient	Not reported	Notification Date: Not reported Contaminants: Not reported Media Impacted: Not reported Status: No further action required Date of Closure: Not reported

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified SLIC sites represent an environmental concern to the Subject Property.

Voluntary Cleanup Program (VCP) Properties

The Voluntary Cleanup Program (VCP) Properties database identifies low threat level properties with either confirmed or unconfirmed releases, for which the project proponents have requested that Department of Toxic Substances Control (DTSC) oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs. The Subject Property was not identified on the VCP database. However, two sites located within 0.5 mile of the Subject Property were identified on the VCP database. Information regarding the listed sites is presented in the following table:

VCP			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Hilton Garden Inn Mariposa Avenue and Nash Street El Segundo, CA 90245	2,393 feet/ Northeast/ Crossgradient	19130106	Responsible Party: Not reported Notification Date: Not reported Contaminants: None specified Media Impacted: Soil Status: No Further Action Date of Closure: NA
Former Northern American Trisonic Wind Tunnel 400 Duley Road El Segundo, CA 90245	2,612 feet/ East-northeast/ Crossgradient	60000905	Responsible Party: Not reported Notification Date: Not reported Contaminants: 30018, 30013 Media Impacted: CSS, soil Status: No Further Action Date of Closure: 01/07/2014

* Presumed hydrogeologic gradient based upon regional topography

Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified VCP sites represent an environmental concern to the Subject Property.

Leaking Underground and Aboveground Storage Tank Sites (LUST/LAST)

The Regional Water Quality Control Board (RWQCB) maintains a database of reported Leaking Storage Tank (LUST/LAST) sites. The Subject Property was not identified on the LUST/LAST databases. However, 16 sites located within 0.5 mile of the Subject Property were identified on the LUST/LAST databases. Of the listed sites, 11 sites are located greater than 0.25 mile from the Subject Property.

Based upon the distance and/or hydrogeologic separation from the Subject Property, these 11 sites are considered unlikely to represent an existing release, past release, or material threat of release of hazardous substances or petroleum products on the Subject Property. Information regarding the SHWS sites located within 0.25 mile of the Subject Property is presented in the following table:

LUST/LAST			
Site	**Distance / Direction / Gradient**	**ID No.**	**Regulatory Status**
Global Solutions 1955 Grand Ave El Segundo, CA 90245	Adjacent/ North-northeast/ Crossgradient	902450089	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Case Closed Date of Closure: 02/02/1998
Mattel Inc 1955 E Grand Ave El Segundo, CA 90245	Adjacent/ North-northeast/ Crossgradient	T0603701269	Notification Date: 12/31/1997 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 02/02/1998
Hughes Aircraft CO CSG 1990 Grand Ave E El Segundo, CA 90245	Adjacent/ East/ Upgradient	T0603705198	Notification Date: 08/19/1996 Contaminants: Not reported Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 08/19/1996
Jim & Jack Auto Body 307 Sepulveda Blvd N El Segundo, CA 90245	936 feet/ West-northwest/ Crossgradient	T0603704033	Notification Date: 10/02/1989 Contaminants: Waste oil/moto/hydraulic/lubricating Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 10/08/1992
Hughes Aircraft Company 2000 El Segundo Blvd E El Segundo, CA 90245	1,113 feet/ South/ Crossgradient	T0603792958	Notification Date: 01/14/1986 Contaminants: Solvents Media Impacted: Soil Status: Completed – Case Closed Date of Closure: 07/22/1996

* Presumed hydrogeologic gradient based upon regional topography

The adjacent properties to the northeast and east were identified as LUST sites. EBI reviewed a CSM Report for the release reported at 1990 East Grand Avenue on August 19, 1996. Contaminants of concern were not identified, but were associated with the historic use of the site for aviation-related activities. The last regulatory activity at the site was reportedly conducted in January 1, 1950. No cleanup actions were reported at the site. The case was closed on August 19, 1996. EBI reviewed a CSM Report for the release reported at 1955 East Grand Avenue on December 31, 1997. Contaminants of concern were not identified, but were also associated with the historic use of the site for aviation-related activities. No cleanup actions were reported at the site, and the case was closed on February 2, 1998. Based upon the current regulatory status, the separating distance/presumed hydrogeologic gradient relative to the Subject Property, and/or the reported nature/extent of contamination, it is considered unlikely that conditions associated with the identified LUST sites represent an environmental concern to the Subject Property.

California UST Databases (AST, UST, FID UST, HIST UST, SWEEPS UST)

The California Environmental Protection Agency, the California Water Resources Control Board and other entities previously maintained or currently maintain various lists recording permitted aboveground

and underground storage tank (AST/UST) sites in California. The Subject Property was not identified on the AST/UST databases. However, three adjoining properties were identified on the AST/UST databases. Information regarding the listed sites is presented in the following table:

CA UST DATABASES				
Location	**Distance / Direction / Gradient**	**Capacity / Contents**	**Year Installed**	**Status**
Mattel, Inc. 333 Continental Blvd El Segundo, CA 90245	Adjacent/ Northeast/ Crossgradient	(1) 2,650-gallon AST/ Not reported	Not reported	Not reported
		(1) UST of unidentified capacity/ Petroleum blend fuel	Not reported	Removed (Not Reported)
United Airlines 1955 E Grand Ave El Segundo, CA 90245	Adjacent/ North-northeast/ Crossgradient	(1) UST of unidentified capacity/ Not Reported	1989	Active
Hughes Aircraft Co CSG 1990 Grand Ave E El Segundo, CA 90245	Adjacent/ East/ Upgradient	(1) UST of unidentified capacity/ Not Reported	1989	Active

* Presumed hydrogeologic gradient based upon regional topography

The adjacent properties to the east and northeast are cross-listed as Leaking Underground Storage Tank Sites, and are discussed further above. Based upon the absence of reported releases and/or the separating distance/presumed hydrogeologic gradient relative to the Subject Property, it is considered unlikely that conditions associated with the identified sites represent an environmental concern to the Subject Property.

Solid Waste Information System (SWIS and SWF/LF)

The Solid Waste Information System (SWIS and SWF/LF) facility database contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. For each facility, the database contains information about location, owner, operator, facility type, regulatory and operational status, authorized waste types, local enforcement agency and inspection and enforcement records. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the SWIS and SWF/LF databases.

Waste Management Unit Database / Solid Waste Assessment Test (WMUDS/SWAT)

The Waste Management Unit Database (WMUDS) is used by the California Water Resources Control Board (SWRCB) and the Regional Water Quality Control Boards (RWQCBs) for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on the WMUDS/SWAT database.

California Hazardous Material Incident Report System (CHMIRS)

The California Hazardous Material Incident Report System (CHMIRS) contains information regarding reported hazardous material incidents (i.e. accidental releases or spills). The data source is the

California Office of Emergency Services. The Subject Property was not identified on the CHMIRS database.

Hazardous Waste Information System (HAZNET)

The California Environmental Protection Agency maintains a list of facilities that issue hazardous waste manifests. The source of the manifest records is the California Department of Toxic Substance Control (DTSC). Inclusion on the HAZNET database does not necessarily indicate the existence of an environmental concern, such as a release or spill incident. Four current or former occupants of the Subject Property were identified on the HAZNET database. Based upon information presented in the database, report, a former tenant of the Subject Property, Tishman Speyer Properties, Inc., generated laboratory waste chemicals. The waste materials were stored and/or transferred off-site for disposal. A second former tenant of the Subject Property, Team One Advertising, generated photochemicals/photoprocessing waste from 1993 until 1995. The waste materials were transferred to an off-site recycler. Reality Associated Fund #9, a third former tenant of the Subject Property, generated an unreported regulated waste in 2012, transferring stored waste off-site for disposal. The fourth identified former tenant, Commonwealth Grand Avenue Corp., generated off-specification aged or surplus inorganics, latex waste, and laboratory waste chemicals in 2003 and 2006. The wastes were transferred off-site. According to the database report, there are no reported violations associated with these former facilities. Based upon the absence of reported violations, it is considered unlikely that conditions associated with the identified HAZNET facilities represent an environmental concern to the Subject Property.

State and Tribal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on state or tribal Engineering Control or Institutional Control Registries.

State and Tribal Brownfield Sites

Neither the Subject Property nor any sites located within 0.5 mile of the Subject Property were identified on state or tribal Brownfield Sites databases.

Tribal Environmental Databases

The United States Bureau of Indian Affairs (BIA) is responsible for the administration and management of 55.7 million acres of land held in trust by the United States for American Indians, Indian tribes, and Alaska Natives. There are 562 federally recognized tribal governments in the United States. The environmental database report identifies tribal administered lands of the United States that have any area equal to or greater than 640 acres. No tribal administered lands were identified within 1.0 mile of the Subject Property.

4.1.3 Local Regulatory Agency Records

Local municipal offices consulted during the completion of this assessment included the following:

City of El Segundo Building Department

EBI reviewed available files regarding the Subject Property at the City of El Segundo Building Department for information regarding past uses of the Subject Property. The original building permits and certificates of occupancy for the existing building were not readily available for review. The review of Building Department records did not identify past uses of the Subject Property that would constitute a recognized environmental condition.

City of El Segundo Fire Department

EBI reviewed available files regarding the Subject Property at the City of El Segundo Fire Department, Fire Prevention Division. EBI identified a hazardous materials inventory detailing the storage of up to 210 gallons of diesel fuel in the first floor fire pump room of the Subject Property. El Segundo Fire Department files additionally included a letter regarding Addendum #2 to Krazan Phase I Environmental Site Assessment for the proposed Hyatt Place Property, addressed 1940 and 1960 East Grand Avenue. The letter, prepared by Krazan & Associates, Inc. (Krazan), addresses concentrations of petroleum hydrocarbons detected in soils at the Subject Property. Krazan collected soil samples from the site in July 2008 and submitted them for laboratory analysis. Soil samples reportedly were found to have total recoverable petroleum hydrocarbons (TRPH) concentrations of 43 milligrams per kilogram (mg/kg). Krazan noted that State of California Regional Water Quality Control Environmental Screening Level (ESL) for soils in residential settings were 83 mg/kg for gasoline and 370 mg/kg for total petroleum hydrocarbons. Based on the results of soil analysis at the Subject Property compared to the applicable reporting levels, Krazan concluded that the concentrations detected at the site were insignificant. The letter does not indicate how many borings were advanced at the site, how many soil samples were analyzed, or where at the site the soil samples were collected. This letter was also identified during a previous Phase I ESA performed by AECOM and further discussion of this letter is provided in Section 4.3.8.

4.1.4 Vapor Migration

EBI conducted a vapor migration screening survey of the Subject Property. EBI's site observations and review of the environmental database report (cited in Section 4.1) did not identify any conditions on the Subject Property or on adjoining properties that would indicate a REC relative to vapor migration at the Subject Property.

This vapor migration screening was conducted in accordance with ASTM E1527-13 and is not intended to satisfy the requirements of ASTM E2600-15. The scope of this screening was limited to visual observations and review of the environmental database report and did not include the collection and laboratory analysis of air samples to confirm or refute the presence of airborne contaminants by vapor intrusion.

4.2 PHYSICAL SETTING

4.2.1 Topography

The Subject Property is located at an elevation of approximately 115 feet above mean sea level (msl). The topography of the Subject Property is relatively flat. The Subject Property is located in an undulating area, and the general slope of the surrounding region is to the west (see Figure 2 - Locus Map, which depicts the location of the Subject Property on the *Venice, California* USGS 7.5 Minute Topographic Quadrangle).

4.2.2 Geology and Soils

No bedrock outcroppings were observed at the Subject Property.

According to the Environmental Data Resources, Inc. (EDR) GeoCheck Physical Setting Source Summary, the dominant soil composition in the vicinity of the Subject Property is classified as Delhi. This soil consists of somewhat excessively well drained soil extending to a depth of more than 60 inches.

4.2.3 Hydrogeology and Hydrology

No natural surface water bodies were identified on or adjacent to the Subject Property. The nearest downgradient surface water body is the Pacific Ocean, located approximately 2.1 miles west of the Subject Property.

Local groundwater gradient is typically expected to follow surface topography; however, the absence of a distinct ground surface slope at the Subject Property prevents estimation of groundwater flow direction by this method. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

4.3 HISTORICAL USE OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

EBI attempted to determine the history of the Subject Property dating back to 1940 or first developed use. The following table summarizes the historical use of the Subject Property and surrounding area.

HISTORICAL USE SUMMARY			
Period	**Historical Uses**		**Source(s)**
	Subject Property	**Surrounding Area**	
At least 1896–1930s	Undeveloped land.	Undeveloped land.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records
1930s–1970s	Undeveloped land, part of nearby oil field	Undeveloped land and oil wells.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records
1970s–1987	Undeveloped land.	Undeveloped land and commercial development.	Aerial Photographs Topographic Maps Municipal Records Personal Interviews Other Historical Records
1987 to Present	Existing office building and parking garage.	Commercial development.	Aerial Photographs Topographic Maps City Directories Municipal Records Personal Interviews Other Historical Records

No environmentally significant conditions were identified on the Subject Property or surrounding properties during the historical review, with the exception of the oil wells located in the vicinity of the Subject Property between the 1930s and 1970s.

4.3.1 Aerial Photographs

Historical aerial photographs may be used to evaluate changes in land use and to identify visible areas of potential environmental concern. A search for historical aerial photographs depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). Aerial photographs depicting the Subject Property were reviewed and are summarized in the following table. Copies of the aerial photographs are presented in Appendix F.

AERIAL PHOTOGRAPH SUMMARY		
Year	**Issues Noted**	**Observations**
1923	No	**Subject Property:** The Subject Property appears to consist of cleared, undeveloped land.
		Surrounding Area: The surrounding properties to the north, east, south, and west are cleared, undeveloped land.
1928	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted on the 1923 photograph, with the exceptions that a small structure and what appears to be a pond are visible on the northern portion of the Subject Property.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted on the 1923 photograph, with the exception that small structures are visible on the surrounding properties to the north and east.
1938, 1953	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted in the 1928 photograph, with the exception that a structure is visible on the southeastern portion of the Subject Property.
		Surrounding Area: Conditions on the surrounding properties appear to be similar to those depicted in the 1928 photograph, with the exception that a structure, apparently an oil derrick, is visible on the surrounding property to the west.
1963	No	**Subject Property:** No structures or other notable features are visible on the Subject Property.
		Surrounding Area: No structures or other notable features are visible on the surrounding properties to the north, east, south, and west.
1972, 1977	No	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted in the 1963 photograph.
		Surrounding Properties: A roadway, trending east to west, is visible on the surrounding property to the north, beyond which no structures are visible. A paved parking lot is visible on the surrounding property to the south. No structures or other notable features are depicted on the surrounding properties to the east and west.
1983	No	**Subject Property:** The Subject Property appears to be occupied by a parking lot.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted in the 1977 photograph, with the exception that commercial structures are visible on the surrounding properties to the east and west. A commercial structure is visible beyond the roadway to the north.
1989, 1994, 2002, 2005, 2009, 2010, 2012	No	**Subject Property:** A rectangular commercial structure is visible on the northeastern portion of the Subject Property, with a second commercial structure, a parking garage, on the southwestern portion of the Subject Property. The northwestern portion of the Subject Property appears to be occupied by a paved parking lot. Landscaping is visible on the southeastern portion of the Subject Property.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted in the 1983 photograph.

4.3.2 Fire Insurance Maps

A search for historical fire insurance maps depicting the Subject Property and vicinity was conducted by EDR Sanborn Maps, Inc. The EDR Report indicated that coverage for the vicinity of the Subject Property was not available. A copy of the search documentation letter is presented in Appendix F.

4.3.3 Topographic Maps

Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. Other notable features such as woods, pipelines, municipal boundaries, and areas of filled land are often marked on topographic maps.

A search for historical topographic maps depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). Historical topographic maps depicting the Subject Property were reviewed and are summarized in the following table. Copies of the topographic maps are presented in Appendix F.

TOPOGRAPHIC MAP SUMMARY		
Year	**Issues Noted**	**Observations**
1896, 1924, 1930, 1948	No	**Subject Property:** No structures or other notable features are depicted on the Subject Property.
		Surrounding Properties: No structures or other notable features are depicted on the surrounding properties to the north, east, south, and west.
1950	No	**Subject Property:** Access roads are depicted running across the Subject Property.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted on the 1948 map, with the exception that small roadways are depicted on the surrounding properties to the east, south, and west. Small structures are depicted on the surrounding properties to the east, and a substation is identified on the surrounding property to the west.
1964	**Yes**	**Subject Property:** Conditions on the Subject Property appear to be similar to those depicted on the 1950 map.
		Surrounding Properties: Conditions on the surrounding properties appear to be similar to those depicted on the 1950 map, with the exception hat no substation is identified on the surrounding property to the west. **Oil wells** are identified to the northeast of the Subject Property.
1972, 1981, 2012	No	**Subject Property:** No structures or other notable features are depicted on the Subject Property.
		Surrounding Properties: A roadway, trending east to west, is depicted on the surrounding property to the north. No structures or other notable features are depicted on the surrounding properties to the east, south, and west.

4.3.4 Street Directories

Street directories are commercial publications containing names and addresses, and in many cases, occupations of the occupants of a particular community. The directories may also contain information pertaining to business processes conducted within a community. A search for historical street directories was conducted by Environmental Data Resources, Inc. (EDR). Historical street directories

were reviewed and are summarized in the following table. Copies of the street directories are presented in Appendix F.

STREET DIRECTORY SUMMARY		
Year	**Issues Noted**	**Occupants**
1990, 1991, 1995, 2000, 2001, 2008, 2013	No	Various office tenants.

4.3.5 Recorded Land Title Records

Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A "chain of title" is a continuous record of ownership for a specific parcel. A 50-year chain of title search was not included in the scope of work for this assessment.

4.3.6 Property Tax Records

Property records for the Subject Property were obtained at the Los Angeles County Assessor's Office. The property card identifies the current owner as Realty Associates IX LP. Assessor's Office records indicate that the existing buildings were constructed in 1987. A listing of the former Subject Property owners was not available for review.

4.3.7 Environmental Liens and Activity and Use Limitations

A search for Environmental Liens and Activity and Use Limitations was not included in the scope of this assessment.

4.3.8 Previous Environmental Reports

EBI was provided with the following previous environmental reports performed for the Subject Property. Relevant information from the previous reports is discussed in the appropriate sections of this report, and portions of the previous reports are presented in Appendix G.

Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California, prepared by Clayton Group Services, Inc., *A Bureau Veritas Company*, (Clayton), of Pleasanton, California, dated January 26, 2007

The Clayton Report was completed in general conformance with ASTM Standard E 1527-05. The scope of the Clayton Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local environmental records, review of the physical characteristics and history of the Subject Property. The following information was presented in the Clayton Report:

- At the time of the Clayton Report, the 5.37-acre Subject Property was improved with a nearly 260,000-square-foot, 12-story, office building at 1960 East Grand Avenue; an 11-story (9 above grade and 2 sub grade levels) parking structure at 1940 East Grand Avenue; an asphalt-paved parking lot; and landscaping.

- At the time of assessment, the existing structures were occupied by commercial office tenants and automobile parking. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Based upon review of historical resources dating back to 1928, Clayton reported that in 1928 the Subject Property and surrounding area appear to have been agriculturally cultivated. By 1938 oil exploration dominated much of the area; the subject property featured an AST and a bermed pit, which were removed by 1947 – the area was known as the El Segundo Oil Field. Thereafter until the mid 1970s when modern land configuration emerged, the subject property and adjoining properties were graded from time to time. The current office building and parking garage were built on the Subject Property around 1988 and the land uses have remained commercial office since.

- Regarding the former El Segundo Oil Field, no oil or gas wells are known to have been present on the Subject Property, but there was an AST and a bermed pit in 1938. Soil investigations conducted on the Subject Property in the 1980s revealed the presence of petroleum hydrocarbon odors and stains within fill materials to depths of nearly 20 feet bgs. A limited amount of analytical testing detected no petroleum hydrocarbons in the fill. Regulatory agencies have not required that the subject property or surrounding areas investigate historical oil field uses. In addition, the underlying fill material at the subject property is covered with buildings, parking lots, or engineered landscaping, all of which minimize human exposure to the underlying fill. Furthermore, groundwater is first encountered around 100 feet below ground surface, which is well below the extent of the fill, and is unlikely to have been impacted from Subject Property activities. Therefore, Clayton notes that this finding is a *historic*, but not a current *recognized environmental condition* (REC).

- The current use and storage of hazardous substances and petroleum products at the subject property is limited to diesel fuel for backup power, cooling water treatment chemicals, janitorial supplies, other subject property equipment (e.g., liquid-cooled transformer), and the photo processing wastes. Clayton observed secondary containment systems for most of the chemicals and wastes, and the various containers were in good condition with no evidence of chemical releases. No major chemical violations are noted in the regulatory agency records. Therefore, this finding represents a *de minimis* condition and not a REC.

- Clayton identified evidence of the following existing underground storage tanks (USTs) and aboveground storage tanks (ASTs) at the Subject Property: one 22,500-gallon water storage reservoir. The UST is a concrete basin that measures approximately 17 by 14 by 12.5 feet deep. In addition, one 120-gallon and two 75-gallon aboveground storage tanks (ASTs) are located beneath generators in office building ground floor equipment rooms and store diesel fuel for backup power generation.

- Clayton observed no indications of PCBs, except for a pad-mounted, liquid-cooled transformer, a hydraulic refuse compactor, light ballasts, and seven elevators. The transformer is located near the parking structure, the compactor is located in an office building ground floor equipment room, and the light ballasts are located throughout the office building. These are self-contained, and Clayton observed no evidence of releases or stains near this equipment. The elevators are cable-drawn and have no hydraulic hoists.

- Clayton reviewed various prior environmental reports prepared for the Subject Property. The reports included the following: a 1986 Geotechnical Report; a 1986 Preliminary Contaminated Soil Evaluation; and a 1995 Limited Asbestos [and other material] Survey. The 1986 Geotechnical Report indicated that the subject property was vacant grassy, weedy land that had been part of an oil field; no oil wells were encountered on the subject property. During surrounding area development from around 1969 through 1971, the subject property was graded and fill material was imported.

- The 1986 Preliminary Contaminated Soil Evaluation describes 24 soil borings advanced at the subject property in 1981, 1982, 1984, and 1986. Indications of petroleum hydrocarbon-impacted soil (e.g., odors, stains) were noted in fill materials found at depths of 4.0, 9.5, 17, and 19 feet bgs. Three soil samples collected at depths ranging from 5.0 to 12 feet bgs were tested for total petroleum hydrocarbons (TPH) and for benzene, toluene, ethylbenzene, xylenes (BTEX, collectively); no TPH or BTEX concentrations were detected.

- The 1995 Limited Asbestos [and other material] Survey describes an inspection and sampling for suspect asbestos containing material (ACM), lead containing paint (LCP), and polychlorinated biphenyl (PCB)-containing light ballasts, as well as an evaluation of radon gas. Identified suspect ACM included roofing, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. No asbestos was detected in samples collected from the 5th, 6th, 8th, 10th, 11th, and 12th floors, roof, and from the parking garage. Identified suspect LCP included stairwells on the 12th floor, piping and equipment in a mechanical room, and areas within the parking garage. No lead was detected in the eight paint chip samples collected, except for 0.934% lead (a cooling tower pipe). This concentration exceeded the U.S. Department of Housing and Urban Development (HUD) action level of 0.5%, but the subject property is not residential. No PCB concentrations were identified in light ballasts. Radon levels for the area were determined to be 1.0 picoCuries per liter (pCi/L), and below the United States Environmental Protection Agency's (USEPA) action level of 4.0 pCi/L.

- Based upon review of the environmental database report, Clayton identified the following listings for the Subject Property: HAZNET, RCRA-SQG and FINDS databases. Occupant Team One Advertising is a generator of hazardous wastes, including photochemical/photo processing and laboratory waste chemicals. No violations are reported, and no releases are documented.

- Based upon review of the environmental database report, Clayton identified several adjacent properties with various listings; however, Clayton identified no off-site facilities that were considered likely to have impacted the Subject Property.

Based upon the findings of the Phase I Environmental Site Assessment, Clayton did not identify any recognized environmental conditions (RECs) associated with the Subject Property. Clayton recommended no further action or investigation.

Phase I Environmental Site Assessment, Grand Avenue Courtyard, 1940 and 1960 East Grand Avenue, El Segundo, California 90245, prepared by AECOM of Camarillo, California, dated August 2010

The AECOM Report was completed in general conformance with ASTM Standard E 1527-05. The scope of the AECOM Report investigation included visual reconnaissance of the Subject Property, interviews with knowledgeable persons associated with the Subject Property, review of available regulatory information contained within federal and state environmental databases and other local

environmental records, and review of the physical characteristics and history of the Subject Property. The following information was presented in the AECOM Report:

- At the time of the AECOM Report, the Subject Property consisted of two parcels totaling approximately 5.36-acres developed with a twelve-story, 260,000 square foot office building and an eleven-level above ground parking garage. The office building does not have a basement, two of the parking garage levels are below grade. The subject property also has a surface parking lot and extensive landscaping including a Kio pond.

- At the time of assessment, on-site tenant activities and operations include office activities. Tenants include airline related businesses, law firms, advertising agencies, other office tenants and a café. No industrial or manufacturing operations were observed at the Subject Property at the time of assessment.

- Historical research indicates that prior to construction of the current office building and parking garage in 1988, the subject property was part of an oil field. The subject property appears to have been vacant, undeveloped land as depicted on an 1896 topographic map. A 1924 topographic map also shows the subject property to be vacant and undeveloped. A 1928 aerial photograph shows what appears to be an oil sump (referred to in previous environmental reports as a bermed pit) located on the north central portion of the subject property, with an aboveground storage tank (AST) shown on the eastern portion of the subject property in 1938. The subject property remained essentially unchanged until after 1956. In the 1965 and 1976 aerial photographs, the subject property appears to be vacant, graded land. Construction of the existing buildings began in 1987 and the buildings were completed in 1988. The office building has been occupied by office tenants since that time. City directories indicate that the subject property was occupied by various office tenants from 1990 through 2000.

- In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. AECOM identified a letter from Krazan and Associates Inc. (Krazan) to OTO Development, LLC dated June 22, 2009. This letter indicates that Krazan had conducted soil sampling at the subject property in July 2008. Krazan concluded that petroleum hydrocarbons detected in subject property soils (43 ppm) did not pose a significant risk for further development of the subject property. Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986. Three soil samples were analyzed at that time for petroleum hydrocarbons and benzene, toluene, ethylbenzene, and xylenes (BTEX), but these compounds were not detected in the soil samples analyzed. However, based on soil sample analysis results obtained as part of prior assessments, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

- AECOM reported that no underground storage tanks (USTs) are currently located on the subject property, other than a 22,000-gallon fire water storage tank located under the east side of the office building. An emergency generator is located on the first floor of the office building. The generator includes a self-contained 120-gallon diesel AST. Two additional 120-gallon diesel aboveground storage tanks are associated with the fire pumps located on the first floor of the office building. These ASTs are located within a concrete berm. No drains, stains, or leaks were observed in the vicinity of the diesel ASTs or generator.

- Small quantities of paints, cleaners, degreaser (WD-40), stains, and motor oil (associated with the generators) were observed to be stored on shelving units and/or in flammable materials cabinets in the janitorial supply rooms, mechanical rooms, storage rooms, and generator rooms. The materials were not stored in the vicinity of floor drains and no significant staining was observed in the storage areas. Two 55-gallon drums of water treatment chemicals are stored on the roof of the office building adjacent to the cooling tower. These chemicals are located on secondary containment pallets.

- A concrete pad-mounted transformer was observed outside at the northwest corner of the parking garage. The transformer is owned by, and is the responsibility of, the Southern California Edison Company. No markings were observed on the transformer indicating polychlorinated biphenyl (PCB) content; however, no staining was observed on the transformer or on the concrete pad. Additionally, based on the age of the subject property development (circa 1988), PCBs are not anticipated to be present within the on-site transformer equipment. Based on the above information; the onsite transformer appears to be properly managed.

- AECOM reviewed various previous environmental reports prepared for the Subject Property. The reports included the following: Report of Geotechnical Investigation, Proposed Building Development, Grand Avenue Between Sepulveda, Continental, and El Segundo Boulevards, El Segundo, California, dated March 8, 1984. Prepared by LeRoy Crandall and Associates for Nu-West Inc. (California); Report of Phase I Environmental Site Assessment, Xerox Centre, 1960 East Grand Avenue, El Segundo, California, dated April 1995. Prepared by Kleinfelder, Inc. for Homart Development Co.; and Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California, dated January 26, 2007. Prepared by Clayton Group Services, Inc. for Lowe Enterprises; HBI Mold Assessment Report and Clearance Document, 1960 East Grand Avenue, El Segundo, California, dated May 14, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises, and HBI Mold Assessment Report and Clearance Document, 1st Floor Central Corridor, 1960 East Grand Avenue, El Segundo, California, dated May 21, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises. The first three reports are summarized in and/or included the previous Clayton report. The fourth report is discussed as follows: Healthy Buildings International Inc. (HBI) performed a mold assessment following a water leak in a 3rd floor break room. HBI conducted visual observations for stains, discoloration and visible mold growth. Moisture levels were measured in areas that appeared to be damp. Marginally wet drywall was identified in a stairwell, a 3rd floor restroom and the ceiling of the 1st floor café and in the 1st floor central corridor. Fans and dehumidifiers were used to dry out the areas. A follow-up inspection did not reveal and stains or mold growth or excessive dampness. Airborne samples for mold did not indicate a significant source of mold in the building.

- Based upon review of the environmental database report, the subject property was identified on the RCRA-SQG, FINDS and HAZNET databases as Team One Advertising, Suite E. This current tenant of the building is listed as a small-quantity generator of hazardous waste. The RCRA-SQG database indicated that no violations have been reported for this tenant. The HAZNET database indicates that this tenant has generated photoprocessing waste, which is sent to a recycler or transfer station. According to the site contact, hazardous waste is no longer generated by this tenant. The subject property is not listed on a contamination-related database. Based on AECOM's area reconnaissance and information provided in the EDR report, the former and current uses of the adjacent or nearby sites do not appear to present RECs in association with the subject property.

Based upon the findings of the Phase I Environmental Site Assessment, AECOM did not identify any recognized environmental conditions (RECs) associated with the Subject Property. AECOM recommended no further action or investigation.

4.3.9 Other Historical Records and Interviews

Mr. Don McCurry, Facility Engineer, was interviewed to obtain information regarding the history of the Subject Property. Mr. McCurry reported that he has been familiar with the Subject Property for approximately 21 years and that the existing building was constructed in 1987. Mr. McCurry was unaware of the use or occupants of the Subject Property prior to 1987.

5.0 SUBJECT PROPERTY RECONNAISSANCE

The Subject Property reconnaissance was conducted by Ms. Maura Kelly, EBI Field Assessor, on October 12, 2016. Ms. Kelly was accompanied by and interviewed Mr. Don McCurry, the Subject Property Engineer.

5.1 METHODOLOGY AND LIMITING CONDITIONS

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares. Building exteriors were observed along the perimeter from the ground, unless described otherwise. Building interiors were observed as they were made safely accessible, unless described otherwise.

At the time of the survey, the weather was overcast and approximately 70° Fahrenheit. During the survey, representative tenant spaces, mechanical spaces, and/or equipment components were observed. There were no significant portions of the Subject Property that were inaccessible or excluded from this survey.

5.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

5.2.1 Hazardous Substances and Petroleum Products (Identified Uses)

Notable hazardous substances or petroleum products in connection with identified uses observed at the Subject Property are described below.

HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS			
General Type of Material	**Approximate Quantity / Container / Material**	**Location**	**Storage Condition**
Cleaning Compounds and Janitorial Supplies	Various sized containers, ranging from aerosol cans to five-gallon pails	Janitorial Closets	Good: No leaks or spills
HVAC Treatment Compounds	(3) 45-gallon drums: anti-freeze and microbicides (3) 15-gallon pails: microbicides	Mechanical Penthouse	Good: No leaks or spills

EBI did not identify evidence of significant leaks, spills, or the improper handling of petroleum or hazardous substances that might impact the environmental condition of the Subject Property. The facility maintains a Spill Prevention, Control and Countermeasure (SPCC) Plan for handling materials in use at the Subject Property. It should be noted that a compliance audit was beyond the scope of work for this assessment and was not performed.

5.2.2 Hazardous Substances and Petroleum Products (Unidentified Uses)

EBI did not observe evidence of hazardous substance or petroleum products containers at the Subject Property that were not in connection with identified uses.

5.2.3 Unidentified Substances Containers

EBI did not observe evidence of unidentified substances containers at the Subject Property.

5.3 WASTE GENERATION, STORAGE, AND DISPOSAL

EBI identified the following waste streams generated at the Subject Property:

WASTE GENERATION, STORAGE, AND DISPOSAL			
Classification	**Type of Waste / Generation Process**	**Type of Storage / Location**	**Disposal Method / Contractor**
Non-regulated Solid Waste	Municipal Solid Waste / Routine Site Operations	2 Solid Waste Dumpster (Trash Storage Room)	Athens Services
	Cardboard Recyclables / Routine Site Operations	1 Recycling Dumpster (Trash Storage Room)	Full Circle Recycling Company
	Construction Debris	1 Roll-off dumpster (East side of Subject Property)	CWS
Non-regulated Liquid Waste	Sanitary Sewage / Routine Site Operations	NA (Municipal Sanitary Sewer)	Massachusetts Water Resource Authority (MWRA)
Regulated Solid or Liquid Waste	Spent fluorescent tubes, ballasts, and lead-acid batteries/ Routine Site Operations and Maintenance	Cardboard Bins (Receiving Dock)	Regency Lighting
Biomedical Waste	None identified	NA	NA

No evidence of improper solid waste management or the improper disposal of hazardous substances or petroleum products was observed at the time of reconnaissance.

5.4 UNDERGROUND STORAGE TANKS (USTS) & ABOVEGROUND STORAGE TANKS (ASTS)

5.4.1 Existing Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of existing USTs located at the Subject Property. EBI identified the following ASTs located at the Subject Property.

STORAGE TANKS		
(2) 120-gallon ASTs	Contents:	Diesel Fuel
	Location:	Ground Floor Fire Pump Room
	Year Installed:	Unknown
	Construction Materials:	Single-wall steel tank
	Leak Detection/Prevention:	Concrete block secondary containment basin
	Staining / Releases:	None identified
(1) 120-gallon AST	Contents:	Diesel Fuel
	Location:	Ground Floor Emergency Generator Room
	Year Installed:	Unknown
	Construction Materials:	Single-wall steel tank
	Leak Detection/Prevention:	Concrete block secondary containment basin
	Staining / Releases:	None identified

One diesel-fired emergency generator and associated 120-gallon AST are located on the ground floor of the existing office building. The generator and AST are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

Two diesel-fired fire pumps and associated 120-gallon ASTs are located on the ground floor of the existing office building. The fire pumps and ASTs are surrounded by a concrete secondary containment basin. No staining or other evidence of a release of diesel fuel was observed on the underlying concrete floor.

5.4.2 Former Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of former USTs or ASTs located at the Subject Property.

5.5 OIL-CONTAINING EQUIPMENT AND POLYCHLORINATED BIPHENYLS (PCBS)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution in commerce of PCBs was banned for use in 1979 by the United States Congress, which enacted the Toxic Substance and Control Act (TSCA). In accordance with *US Code of Federal Regulations Title 40 - Protection of Environment, Chapter I - Environmental Protection Agency, Subchapter R - Toxic Substance Control Act (TSCA), Part 761 - Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*, the owner of a transformer or other PCB-containing equipment is responsible for equipment maintenance and remediation in the event of a leak or release.

The following oil-containing equipment was identified at the Subject Property:

OIL-CONTAINING EQUIPMENT			
Classification	**Type of Equipment**	**Year Installed / Location**	**Staining / Releases Identified**
Transformers and Fluid-Containing Electrical Equipment	(1) Electrical Transformer [Edison Electric Company]	Unknown/ Transformer vault, Ground Floor of office building	NA
	(1) Pad-mounted Electrical Transformer [Edison Electric Company]	Unknown/ North of Parking Garage	No
Hydraulic Equipment	None identified	NA	NA
Other Oil-containing Equipment	None identified	NA	NA

EBI observed one pad-mounted electrical transformer located on the central portion of the Subject Property, adjacent to the parking garage. The transformer appeared to be in good condition, and no staining or other evidence of a release of dielectric fluid was observed in the vicinity of the transformer unit. The transformer unit is owned and operated by the regional electrical utility provider, Edison Electric. In the event of a release of dielectric fluid from one of its transformers, the utility company typically conducts regulatory response actions and cleanup.

One electric transformer is reportedly located within a utility vault on the eastern side of the ground floor of the office building. The transformer unit is reportedly owned and operated by the regional electrical utility provider, Edison Electric. The transformer vault was sealed by the electric utility and

was not accessible at the time of reconnaissance. In the event of a release of dielectric fluid from one of its transformers, the utility company typically conducts regulatory response actions and cleanup.

5.6 ADDITIONAL SITE CONDITIONS

The following is a summary of visual and/or physical observations of the Subject Property on the day of the site visit. Photographs of pertinent Subject Property features are presented in Appendix A.

ADDITIONAL SITE CONDITIONS	
Condition	**Identified**
Interior Drains, Trenches, or Sumps	**Yes**
Interior Stains or Corrosion	No
Unusual Odors	No
Interior Pools of Liquid	No
Stained Soil or Pavement	No
Stressed Vegetation	No
Indications of Solid Waste Disposal	No
Exterior Pits, Ponds, or Lagoons	**Yes**
Wastewater or Stormwater Discharge/Disposal	**Yes**
Oil-Water Separators or Clarifiers	No
Septic Systems or Cesspools	No
Wells (Drinking Water Wells, Monitoring Wells, Agricultural/Irrigation Wells, or Process Water Wells)	No
Petroleum or Natural Gas Pipelines/Easements	No

Floor drains were observed in the restrooms and former service kitchen. Floor drains and a sump pit were also observed in the parking garage. The floor drains and sump pit reportedly discharge to the municipal sewer system. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of these structures.

A decorative pond is located on the southeastern portion of the Subject Property. No staining or other evidence of a release was observed in the vicinity of this feature.

The ground surface outside the building is relatively flat. Stormwater runoff from the asphalt-paved parking areas on the northwestern and eastern portions of the Subject Property discharges to catch basins located along Grand Avenue. The catch basins are associated with the municipal stormwater sewerage system, operated by the City of El Segundo. No staining or other evidence of a release of hazardous substances or petroleum products was observed in the vicinity of the stormwater drainage features.

6.0 INTERVIEWS

The following persons were interviewed to obtain information regarding recognized environmental conditions in connection with the property. Additionally, a Pre-Survey Questionnaire was forwarded to the designated Subject Property contact. The Pre-Survey Questionnaire was been completed verbally during EBI site reconnaissance. The information requested in the Pre-Survey Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property.

INTERVIEWS			
Contact / Affiliation	**Date of Communication**	**Years Associated with Subject Property**	**Telephone No.**
Mr. Don McCurry Chief Engineer Davis Partners	10/12/2016	21	(310) 414-0014
Mr. Neal Perkey Regional Director Davis Partners	10/12/2016	5	(310) 414-0014

Pertinent information from the interviews is presented in applicable sections of this report.

7.0 CONSIDERATIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-13

The following sections address environmental issues or considerations at the Subject Property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM Practice E 1527-13 (non-scope considerations).

7.1 ASBESTOS-CONTAINING MATERIAL (ACM)

Asbestos is a term used to describe a group of six naturally occurring crystalline fiber minerals. Asbestos has excellent thermal stability, a high degree of tensile strength, and has been used extensively in the textile, insulation, and building industries, particularly as a component in fireproofing, decorative coatings, insulation materials, and as reinforcement for plaster binders in building products. Asbestos-containing building materials are generally classified as friable or non-friable. Friable materials are those that can be crumbled, pulverized, or reduced to powder by hand pressure, or by normal use or maintenance can be expected to emit asbestos fibers into the air. Non-friable ACM is a potential concern if it is damaged by maintenance work, demolition, or other activities, at which time it may be considered friable.

EBI conducted a limited visual screening survey for the presence of ACM at the Subject Property. EBI identified friable suspect ACM in the form of sheetrock/joint compound composite material and 2'x4' white perforated acoustical ceiling tile, and non-friable suspect ACM in the form of vinyl floor tile and associated mastic, sheet vinyl flooring and associated mastic, and various construction mastics and caulking. These materials were observed to be undamaged and in good condition at the time of assessment. Please note that this survey was limited to visual observations of accessible areas and that the scope of work for this assessment did not include the collection and laboratory analysis of bulk samples of suspect ACM. Additional suspect ACM may be present in inaccessible areas, including, but not limited to, roofs, pipe chases behind solid walls and ceilings, concealed floor coverings, the interior of machinery or equipment, or water and sewer systems.

It should be noted that the limited visual screening survey conducted under the scope of work for this assessment does not constitute a full asbestos inspection, in which all areas of the buildings would have been thoroughly surveyed and sampled. The possibility exists for ACM to be present in areas of the buildings not accessed or sampled by EBI personnel. Based on the limited scope of this assessment, additional suspect ACM may also present in areas of the buildings that were accessed as part of this assessment.

Due to the continued distribution of a wide variety of asbestos-containing building materials, asbestos may be present in some of the roofing, flooring, wall and ceiling materials, caulking/putties, adhesives, spackling compounds, and insulation materials, as well as other building materials that may be used at the Subject Property. Sampling many of these materials requires techniques that may be destructive to subject facilities, and in the case of roofing material, may void warranties. It is recommended that an asbestos inspection be performed in accordance with all applicable federal, state, and local regulatory requirements prior to renovation, demolition, or other activities that could cause a material disturbance. Any removal or disturbance of ACM or suspect ACM should be performed by properly trained personnel and in compliance with federal, state, and local regulations.

7.2 RADON

Radon is a naturally occurring, colorless and odorless radioactive gas that is generated primarily in granitic rocks. The United States Surgeon General has published information that radon is a cause of

lung cancer. Radon usually enters a building through openings in the foundation, and therefore is a potential health concern to residents of the lowest level of a building with inadequate ventilation.

The EPA Map of Radon Zones indicates that Los Angeles County is located within a Zone 2 radon area. Zone 2 is defined as an area that has a moderate potential for radon gas, with a predicted average indoor radon screening level between 2.0 picoCuries per liter (pCi/L) and 4.0 pCi/L. The EPA recommended Action Level for radon is 4.0 pCi/L.

Based upon the non-residential nature of the Subject Property and in accordance with the scope of work for this assessment, EBI did not conduct a limited short-term radon screening at the Subject Property.

7.3 LEAD-BASED PAINT (LBP)

Use of lead in household paint was banned by the U.S. Environmental Protection Agency (EPA) effective January 1, 1978. The EPA and the U.S. Department of Housing and Urban Development (HUD) consider lead-based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm^2) or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

Based on the non-residential use of the existing buildings and in accordance with the scope of work of this assessment, a lead-based paint (LBP) survey was not conducted at the Subject Property.

7.4 LEAD IN DRINKING WATER

Lead has historically been used in pipes, solder, and brass fixtures used in water distribution systems and building plumbing systems. In 1986, EPA banned the use of lead at concentrations exceeding 0.2% lead in solder and 8% lead in other plumbing materials. Lead in drinking water results primarily from corrosion of lead containing materials in service lines or from corrosion of lead containing materials in building plumbing systems such as lead solder, brass, bronze, and other lead containing alloys. The EPA Action Level for lead in public drinking water supplies is 0.015 parts per million (ppm) or 0.015 milligrams per liter (mg /L).

Municipal water service is provided to the Subject Property by the City of El Segundo. Potable water is reportedly obtained from Northern California and the Colorado River. Based upon review of the 2016 Annual Drinking Water Quality Report, the municipal water supply meets all current criteria established by the Safe Drinking Water Act (SDWA) and local municipal drinking water standards, including those for lead. Based upon the existing municipal water service and in accordance with the scope of work for this assessment, EBI did not conduct lead-in-drinking water sampling at the Subject Property.

8.0 FINDINGS AND OPINIONS

EBI has performed this Phase I Environmental Site Assessment of the Subject Property in conformance with the scope and limitations of ASTM Standard E 1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. This assessment has identified no evidence of *recognized environmental conditions (RECs)* in connection with the Subject Property. However, the following *de minimis condition* was identified in connection with the Subject Property.

- EBI identified a letter, prepared by Krazan & Associates, Inc. (Krazan), addressing concentrations of petroleum hydrocarbons previously detected in soils at the Subject Property. Soil samples collected from the site in July 2008 were submitted for laboratory analysis, and total recoverable petroleum hydrocarbons (TRPH) concentrations of 43 milligrams per kilogram (mg/kg) were reportedly found in the soil and were determined to be insignificant. This letter was also identified during a previous Phase I ESA performed by AECOM and further discussion of this letter is provided in Section 4.3.8. Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986, prior to development of the Subject Property. The contamination was deemed to be associated with the historical use of the subject property and immediate vicinity as part of an oil field in approximately the 1920s through 1950s. Based upon review of available information, the historic contamination identified on the Subject Property is considered to represent a de minimis condition and no further action is recommended.

9.0 RECOMMENDATIONS

Based upon the findings of this investigation, no further action is recommended.

10.0 REFERENCES

PHASE I ENVIRONMENTAL SITE ASSESSMENT REFERENCES

ASTM Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental Data Resources, Inc., Certified Sanborn® Map Report; Inquiry Number 4741664.3, dated September 30, 2016.

Environmental Data Resources, Inc., EDR Historical Topo Map Report with QuadMatch™; Inquiry Number 474.1664.4, dated September 30, 2016.

Environmental Data Resources, Inc., The EDR Aerial Photo Decade Package; Inquiry Number 4741664.5, dated September 30, 2016.

Environmental Data Resources, Inc., The EDR Radius Map™ Report with GeoCheck®; Inquiry Number 04741664.2r, dated September 30, 2016.

Environmental Data Resources, Inc., The EDR-City Directory Abstract; Inquiry Number 4741664.6, dated September 30, 2016.

Letter Re: Addendum #2 to Krazan Phase I Environmental Site Assessment, prepared by Krazan & Associates, Inc., dated June 22, 2009.

Los Angeles County Office of the Assessor, Property Assessment Information System, October 14, 2016, On-line: http://maps.assessor.lacounty.gov/

The Metropolitan Water District of Southern California, Annual Drinking Water Quality Report 2016, October 14, 2016, On-line:
http://www.mwdh2o.com/PDF_About_Your_Water/2.3.1_Annual_Water_Quality_Report.pdf

State Water Resources Control Board, CSM Report for Public Noticing, Global Solutions, 1955 Grand Ave., El Segundo, California, dated October 20, 2016.

State Water Resources Control Board, CSM Report for Public Noticing, Hughes Aircraft Co CSG, 1990 Grand Ave E, El Segundo, California, dated October 20, 2016.

USGS Topographic Map, Venice, California Quadrangle, 7.5-Minute Series, dated 2012.

APPENDIX A

PHOTOGRAPHS

1.	Western and northern façades of Subject Property

2.	Eastern façade of Subject Property

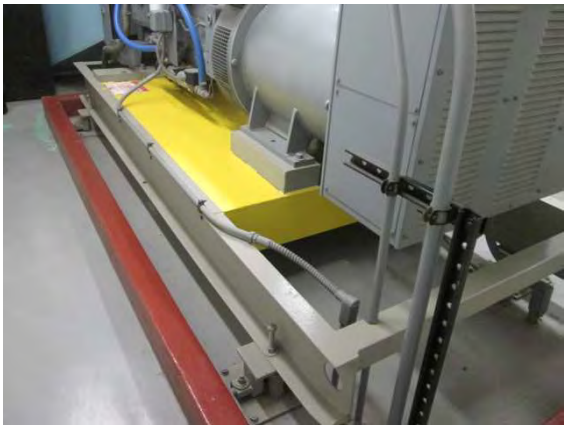
3.	Southern façade of Subject Property

4.	Parking garage

5.	Water treatment chemicals

6.	Solid waste and recycling dumpsters

7.	Fire pump diesel fuel AST

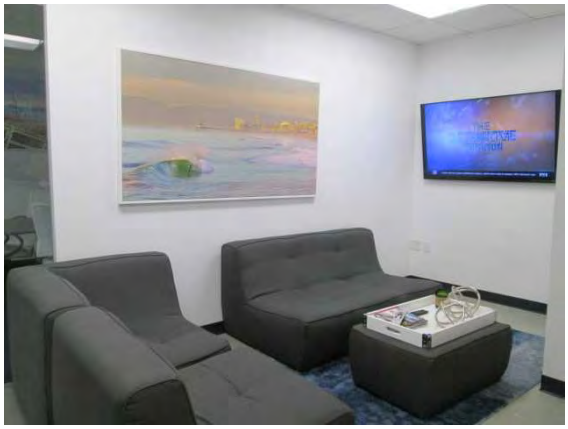


8.	Emergency generator diesel fuel AST

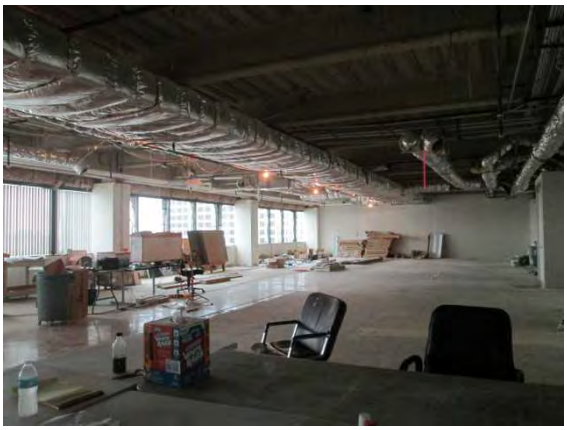
9.	Pad-mounted transformer

10.	Elevator machine room

11.	Sump pit



12.	Representative interior space, office tenant



13.	Representative interior space, vacant tenant

14.	Landscaping

15.	Surrounding property to the west

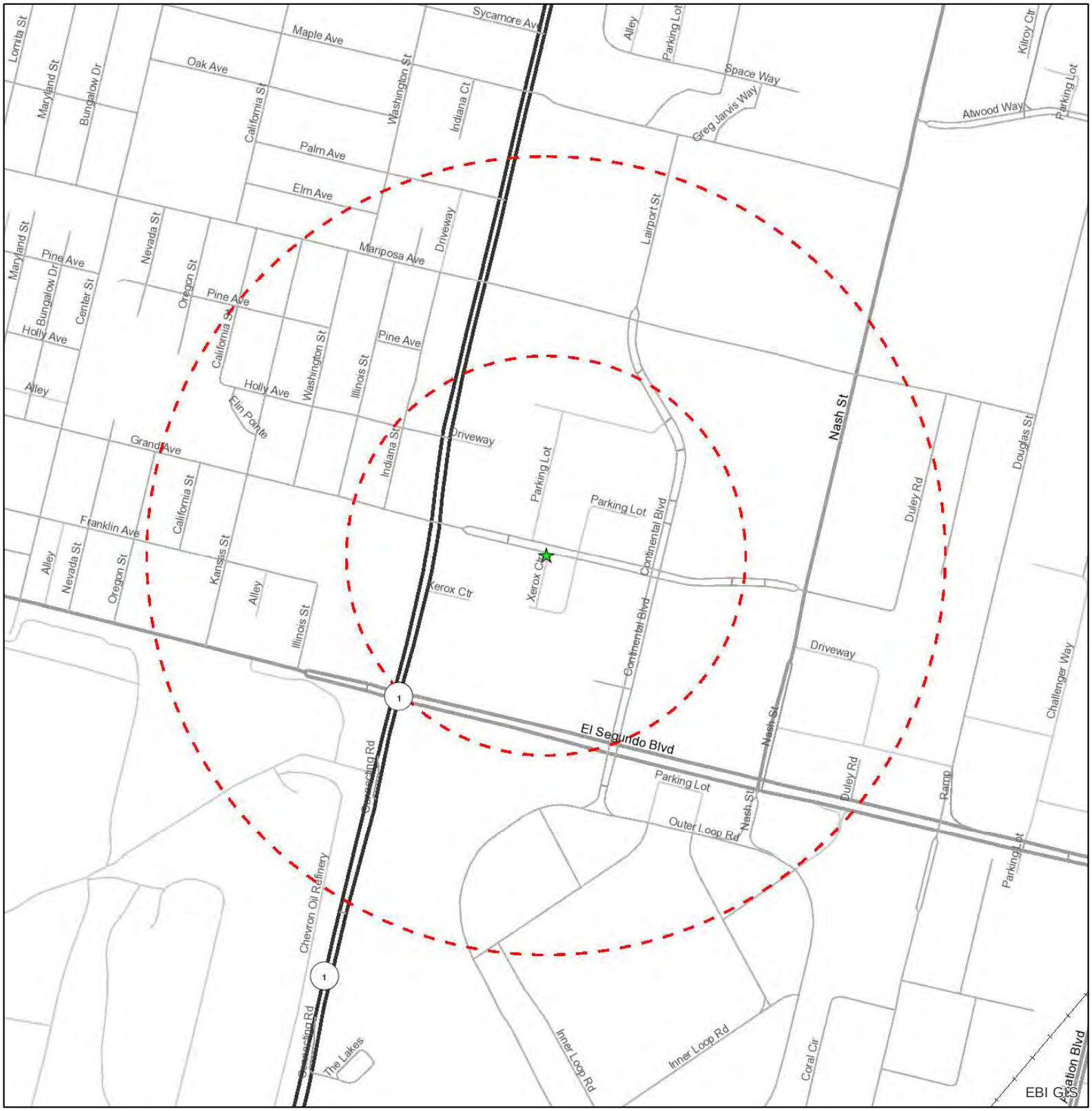
16.	East Grand Avenue and surrounding properties to the north

17.	Surrounding property to the east

18.	Surrounding property to the south

APPENDIX B

FIGURES



EBI Consulting

Source: Selected data from ESRI, EBI & USGS

Legend

- Project Site
- Site Radius at ¼ and ½ mile

N

Date: 9/30/2016

Figure 1: Site Location Map

0 500 1,000 2,000 3,000 Feet

GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

PN: 1116005380

EBI Consulting
environmental | engineering | due diligence

Legend

★ Project Site

Site Radius at ¼ and ½ mile

Source: Selected data from ESRI, EBI & USGS

N

USGS 24K Quad: Venice, CA 1982

Date: 9/30/2016

Figure 2 - Topographic Map

0 500 1,000 2,000 3,000 Feet

GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

PN: 1116005380

EBI Consulting
environmental | engineering | due diligence

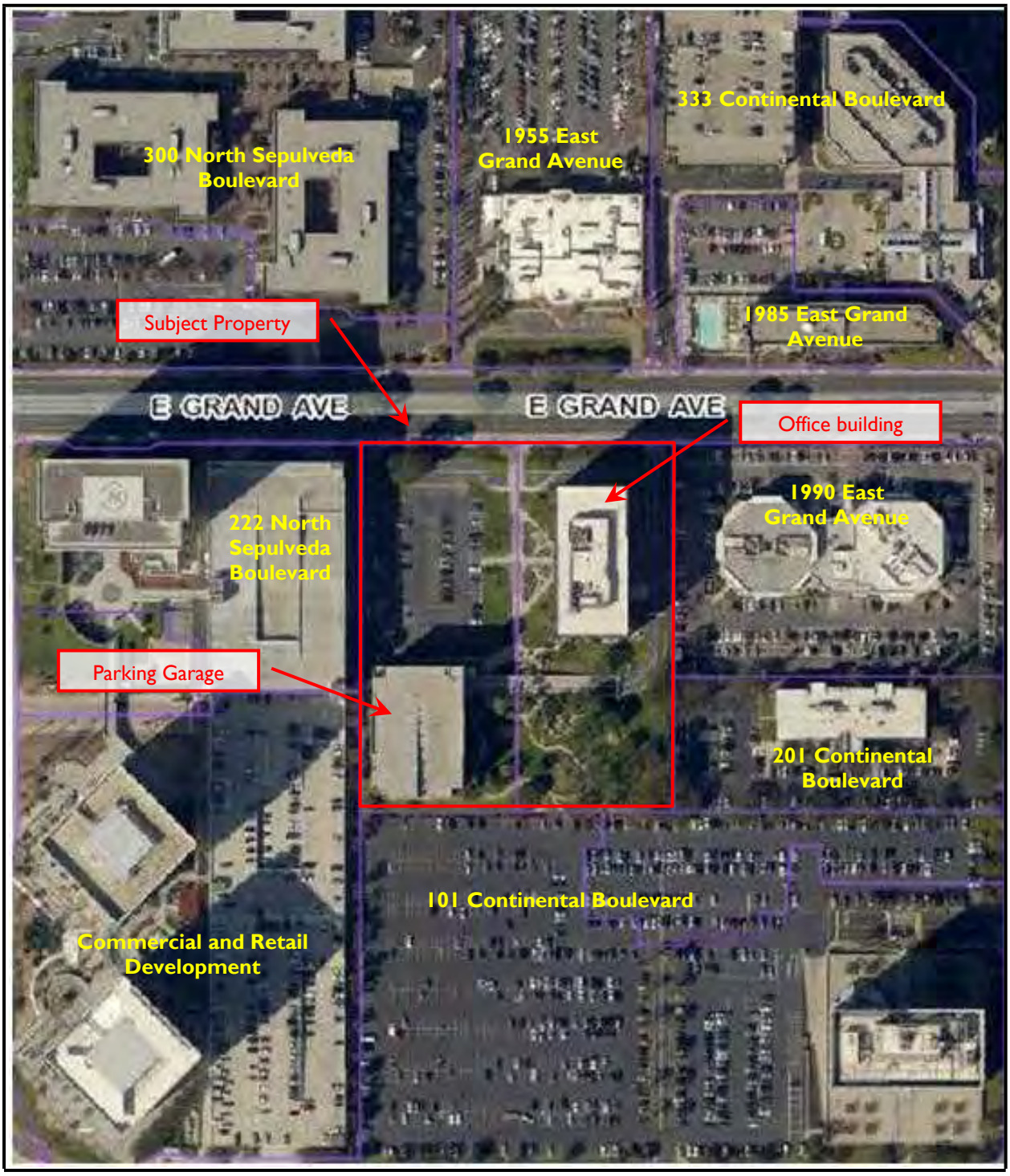


FIGURE 3 – SITE PLAN

Not to scale

APPENDIX C

PRE-SURVEY QUESTIONNAIRE AND OTHER RELEVANT DOCUMENTATION

EBI Consulting
environmental | engineering | due diligence

Please fill out and sign this questionnaire to the best of your knowledge for the Engineer's/Scientist's site visit. Email to **Jonathan Kerry** at REResearchGroup@ebiconsulting.com or fax to (781) 425-3623, for our report files, and keep the original to provide to the Engineer or Scientist.

Subject Property Name: Grand Avenue Courtyard **EBI Project #:** 1116005380

Address: 1960 East Grand Avenue El Segundo CA

Subject Property Owner: **Purchase Date:**

On-Site Property Contact: Don McCurry **Telephone:** 310.414.0014

Fax: Chief Engineer **Email:**

Your Name and title	**Signature**	**Date**
		10/12/16

PROPERTY CONDITION REPORT PRE-SURVEY QUESTIONNAIRE

Additional plans and documentation (see page 4) must be forwarded to the site for the Engineer during the survey. For questions not applicable please respond "N/A." Attach additional pages if necessary. This questionnaire and your responses will be included as an exhibit in the Engineer's report. Accurate and full completion is critical to a timely completion of our reports, and timely loan closing.

LOCAL JURISDICTIONAL INFORMATION

1. What is the property ID #, Lot and Block, or Township/Range ID #?
2. What is the legal Municipality or County that has jurisdiction over the property? El Segundo/LA County
3. What is the assessors file ID number and tax file ID number if available?

PROPERTY INFORMATION

4. What is the size of the subject property lot or lots, in acres? 5.3
5. How many parking spaces (and HCP parking spaces) are present at the property?
6. How many buildings comprise the subject property? 2
   a. If the property is a mall or large retail center, please confirm and list ownership of each building.
7. What is the gross and net rentable square footage of the building(s)?
8. What is the date of construction of the building(s)? When was the building(s) first occupied? 1986/87
9. How many tenant spaces or apartments are at the Subject Property? 69
   a. If the property is apartments, please provide a unit and type count by bedroom and square feet.
10. Please list, to the best of your knowledge, any deficiencies or problems with the site, parking area, amenities or utilities.
11. Please list, to the best of your knowledge, any structural, water infiltration, mold, roof, plumbing, HVAC, Fire Alarm or electrical deficiencies or problems.
12. During the last five years, have any major capital improvements been made to the site or building(s)? If so, please explain, with the approximate cost.

ENVIRONMENTAL SITE ASSESSMENT PRE- SURVEY QUESTIONNAIRE

1. Describe the current uses of the property noting tenant names and oil/chemical usage. office tenants

2. Describe the past uses of the property noting tenant names and oil/chemical usage. office tenants, formerly 1 café tenant

3. (Y) (N) Has a previous environmental site assessment report been prepared for the property? If yes, for what reason? Can EBI have a copy?

4. (Y) (N) Has a subsurface investigation (Phase II) ever been conducted on the property, including soil sampling, groundwater sampling, or installation of groundwater monitoring wells? If yes, for what reason? What were the results? Can EBI have a copy of the report? Are there any groundwater monitoring wells currently located on the property?

5. (Y) (N) Has contamination been identified at the Subject Property? Describe the nature of the contamination (i.e., source, media impacted, location, sampling, cleanup activities, regulatory status, etc.). Can EBI have copies of related documentation?

6. (Y) (N) Has a spill or surficial release occurred at the Subject Property? Describe the nature of the spill/surficial release (i.e., source, location, response/cleanup actions, regulatory status, etc.). Can EBI have copies of related documentation?

7. (Y) (N) Is the Subject Property listed with the USEPA and/or the state environmental regulatory agency as a contaminated site? If yes, please describe. Can EBI have copies of related documentation?

8. (Y) (N) Has there ever been previous sampling for Asbestos, Lead-Based Paint, Lead in Water, or Radon? If yes, please describe. Can EBI have copies of related documentation?

9. (Y) (N) Has there been any Asbestos or Lead-Based Paint abatement or Radon mitigation conducted at the Subject Property? Are there Asbestos and/or Lead-Based Paint Operations and Maintenance Plans for the Subject Property? If yes, please describe. Can EBI have copies of related documentation?

10. (Y) (N) Any known environmental liens, deed restrictions, or use limitations for the Property? If yes, please describe. Can EBI have copies of related documentation?

11. (Y) (N) Any permitted or regulated activities (Hazardous waste generator, air) on the Property? If yes, please describe.

12. (Y) (N) Are there any transformers or other electrical equipment, which may contain PCBs? If yes, please describe. Where are they? Who owns the transformer(s)? Who services them? Transformer vault - Edison owned and maintained

13. (Y) (N) Has an industrial or manufacturing operation, gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junk yard, landfill or waste, treatment, storage, disposal processing or recycling facility ever been located at **or** adjacent to the property? If yes, please describe.

14. (Y) (N) Are there any discarded drums, barrels or containers, construction debris, damaged or discarded automobile or industrial batteries, or pesticides, paints or other chemicals in individual containers or drums of greater than five gallons or fifty gallons in aggregate located on the property? If yes, please describe.

15. (Y) (N) Have there ever been any waste storage or treatment lagoons, pits, ponds, or surface impoundments on the property? If yes, please describe.

16. (Y) (N) Does the property have floor drains not discharging to a sewer? Septic System? If yes, please describe.

17. (Y) (N) Are there currently aboveground or underground storage tanks at the property? If yes, complete table.

Type of Tank	Size	Content	Installation Date	Spill/Leak Detection? Y or N
Above or Underground	120 gal	Diesel fuel	unknown	N
Above or Underground	120 gal	Diesel fuel	unknown	N
Above or Underground	120 gal	Diesel fuel	Unknown	N
Above or Underground	gal			

18. Are you aware of any information to indicate that the Subject Property was sold for substantially below its fair market value? If so, please provide an explanation: NO

19. Additional comments and/or pertinent information relevant to this Phase I ESA:

Document and Information Checklist

Please provide the following information (as much as possible in electronic format) so the Engineer or Scientist can proceed with the survey of the property. Asterisk (*) items are critical to report completion. The documents will become exhibits in the Consultant's report.

A. Plans	B. Municipal Documents	C. Additional Information
▪ ALTA Survey or Site Plan* ▪ Architectural Building Plans* - plans, elevations, wall section, foundation, HVAC & elec. schedules ▪ Reduced scale Site and Building Plans ▪ ***Extremely critical for properties in Seismically active zones 3 and 4**** *STRUCTURAL PLANS – **Seismic Assessments are required for these properties. Structural drawings must be provided at the time of the site visit. If no drawings are provided, the report will be delayed and the Seismic Assessment may be overly conservative.*** ▪	▪ Certificate of Occupancy* ▪ Building Permit* ▪ Façade inspection compliance* ▪ Copy of tax cards ▪ Copy of violations **B.1 NYC Projects** ▪ Department of Building Violations* ▪ Environmental Control Board Violations* ▪ Local Law 11 Facade Reports*	▪ Capital expense report for 1 to 3 years* ▪ Tenant Rent Roll* ▪ Roof warranty ▪ History of recent improvements ▪ Schedule of Floor Area Measurements - Gross and Rentable Square Feet ▪ Previous Due Diligence or Building Component Reports, including, but not limited to, façade*, roof*, mechanical*, electrical, elevator, sprinkler, fire alarm or life safety equipment, or pavement. ▪ Copy of most Recent Appraisal

EBI Access Requirements

At the time of the site visit the Consultant is required to gain access to all areas of the property. This includes:

- All building roofs, unless pitched asphalt shingles. This may require you to obtain and provide a ladder.

# Rent Roll Summary
Property = 12glgran
As of 10/03/2016
Report Created Oct 3 2016 8:54AM

	Base Rent					CAM		Real Estate Tax		Insurance		Utilities		Sec Dep/LOC		Gross Rent	
		Rolling 12 Months															
Property	Monthly	Gross Rent	Free Rent	Net Rent	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Monthly	Per SF/Year	Security Deposit	Letter of Credit	Monthly	Per SF/Year
Grand Avenue Courtyard (f0902401)	534,867.40	6,873,600	(290,853)	6,582,747	29.92	7,044.95	0.37	1,233.53	0.06	-	-	100.00	0.01	658,554.16	33,891.00	543,245.88	28.30
Grand Avenue Courtyard - Parking (f0902402)	1,251.93	13,616	-	13,616	12.25	-	-	-	-	-	-	-	-	-	-	1,251.93	12.44
Grand Total	536,119.33	6,887,217	(290,853)	6,596,364	29.83	7,044.95	0.37	1,233.53	0.06	-	-	100.00	0.01	658,554.16	33,891.00	544,497.81	28.21

	Physical Occupancy - Units					Leased Occupancy - Units				
Property	Total	Occupied	%	Vacant	%	Total	Leased	%	Available	%
Grand Avenue Courtyard (f0902401)	69	60	86.96%	9	13.04%	69	61	88.41%	8	11.59%
Grand Avenue Courtyard - Parking (f0902402)	9	8	88.89%	1	11.11%	9	8	88.89%	1	11.11%
Grand Total - Units	78	68	87.18%	10	12.82%	78	69	88.46%	9	11.54%

	Physical Occupancy - Square Feet					Leased Occupancy - Square Feet				
Property	Total	Occupied	%	Vacant	%	Total	Leased	%	Available	%
Grand Avenue Courtyard (f0902401)	254,937	230,384	90.37%	24,553	9.63%	254,937	232,842	91.33%	22,095	8.67%
Grand Avenue Courtyard - Parking (f0902402)	1,376	1,208	87.79%	168	12.21%	1,376	1,208	87.79%	168	12.21%
Grand Total - Square Feet	256,313	231,592	90.36%	24,721	9.64%	256,313	234,050	91.31%	22,263	8.69%

CSM REPORT FOR PUBLIC NOTICING

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
GLOBAL SOLUTIONS (Global ID: T0603701269) 1955 GRAND AVE EL SEGUNDO, CA 90245	Completed - Case Closed	2/2/1998	12/31/1997	19	EL SEGUNDO, CITY OF *(LEAD)* ***CASEWORKER:*** *STEVE TSUMURA* - ***SUPERVISOR:*** *NONE SPECIFIED* LOS ANGELES RWQCB (REGION 4) - *CASE #: 902450089* ***CASEWORKER:*** *YUE RONG* - ***SUPERVISOR:*** *NONE SPECIFIED*

SITE HISTORY

<NO SITE HISTORY ENTERED>

CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION — VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Aviation				12/31/1997		0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
			1/1/1950				

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
4138007025	Coastal Plain Of Los Angeles - West Coast (4-11.03)	Santa Monica Bay - Lower Santa Monica Bay (404.70)

COUNTY

Los Angeles

PUBLIC WATER SYSTEM(S)

- **METROPOLITAN WATER DIST. OF SO. CAL.** - P.O. BOX 54153, LOS ANGELES, CA 90054

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER — VIEW ESI SUBMITTALS

NO GROUNDWATER DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL — VIEW ESI SUBMITTALS

NO SOIL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

MOST RECENT GEO_WELL DATA — VIEW ESI SUBMITTALS

NO GEO_WELL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

CSM REPORT FOR PUBLIC NOTICING

PROJECT INFORMATION (DATA PULLED FROM GEOTRACKER) - MAP THIS SITE

SITE NAME / ADDRESS	STATUS	STATUS DATE	RELEASE REPORT DATE	AGE OF CASE	CLEANUP OVERSIGHT AGENCIES
HUGHES AIRCRAFT CO CSG (Global ID: T0603705198) 1990 GRAND AVE E EL SEGUNDO, CA 90245	Completed - Case Closed	8/19/1996	8/19/1996	20	EL SEGUNDO, CITY OF *(LEAD)* ***CASEWORKER:*** *STEVE TSUMURA* - ***SUPERVISOR:*** *NONE SPECIFIED* LOS ANGELES RWQCB (REGION 4) - *CASE #: R-13532* ***CASEWORKER:*** *YUE RONG* - ***SUPERVISOR:*** *NONE SPECIFIED*

SITE HISTORY

<NO SITE HISTORY ENTERED>

CLEANUP ACTION INFO

NO CLEANUP ACTIONS HAVE BEEN REPORTED

RISK INFORMATION VIEW CASE REVIEWS

CONTAMINANTS OF CONCERN	CURRENT LAND USE	BENEFICIAL USE	DISCHARGE SOURCE	DATE REPORTED	STOP METHOD	NEARBY / IMPACTED WELLS
Aviation				8/19/1996		0

FREE PRODUCT	OTHER CONSTITUENTS	NAME OF WATER SYSTEM	LAST REGULATORY ACTIVITY	LAST ESI UPLOAD	LAST EDF UPLOAD	EXPECTED CLOSURE DATE	MOST RECENT CLOSURE REQUEST
			1/1/1950				

CDPH WELLS WITHIN 1500 FEET OF THIS SITE

NONE

CALCULATED FIELDS (BASED ON LATITUDE / LONGITUDE)

APN	GW BASIN NAME	WATERSHED NAME
4138007022	Coastal Plain Of Los Angeles - West Coast (4-11.03)	Santa Monica Bay - Lower Santa Monica Bay (404.70)

COUNTY

Los Angeles

PUBLIC WATER SYSTEM(S)

- **METROPOLITAN WATER DIST. OF SO. CAL.** - P.O. BOX 54153, LOS ANGELES, CA 90054

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN GROUNDWATER VIEW ESI SUBMITTALS

NO GROUNDWATER DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

MOST RECENT CONCENTRATIONS OF PETROLEUM CONSTITUENTS IN SOIL VIEW ESI SUBMITTALS

NO SOIL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

MOST RECENT GEO_WELL DATA VIEW ESI SUBMITTALS

NO GEO_WELL DATA HAS BEEN SUBMITTED TO GEOTRACKER ESI FOR THIS SITE

ESD-39
REV 2/99

EL SEGUNDO FIRE DEPARTMENT – CERTIFIED UNIFIED PRORGAM AGENCY
HAZARDOUS MATERIALS
HAZARDOUS MATERIALS INVENTORY- CHEMICAL DESCRIPTION

(one page per material per building or area)

☑ ADD ☐ DELETE ☐ REVISE 2

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3

Hines

CHEMICAL LOCATION 201

1st Floor Fire Pump Room

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ☑ No 202

FACILITY ID # 1 9 0 1 3 1

MAP # (optional) 203 2

GRID # (optional) 204

II. CHEMICAL INFORMATION

CHEMICAL NAME 2

Petroleum distillates

TRADE SECRET ☐ Yes ☑ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 2

Diesel Fuel

EHS* ☐ Yes ☑ No 208

CAS # 2

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES *(Complete if required by CUPA)* 210

HAZARDOUS MATERIAL TYPE *(Check one item only)* ☐ a. PURE ☑ b. MIXTURE ☐ . WASTE 211

RADIOACTIVE ☐ Yes ☑ No 212

CURIES 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ☑ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 87 215

FED HAZARD CATEGORIES *(Check all that apply)* ☑ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☑ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217 210

MAXIMUM DAILY AMOUNT 218 210

ANNUAL WASTE AMOUNT 219 0

STATE WASTE CODE 220

UNITS* *(Check one item only)* ☑ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 2

* If EHS, amount must be in pounds.

DAYS ON SITE 222

STORAGE CONTAINER *(Check all that apply)* 223

☑ a. ABOVEGROUND TANK
☐ b. UNDERGROUND TANK
☐ c. TANK INSIDE BUILDING
☐ d. STEEL DRUM
☐ e. PLASTIC/NONMETALLIC DRUM
☐ f. CAN
☐ g. CARBOY
☐ h. SILO
☐ i. FIBER DRUM
☐ j. BAG
☐ k. BOX
☐ l. CYLINDER
☐ m. GLASS BOTTLE
☐ n. PLASTIC BOTTLE
☐ o. TOTE BIN
☐ p. TANK WAGON
☐ q. RAIL CAR
☐ r. OTHER _____

STORAGE PRESSURE ☑ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☑ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 246

Krazan & ASSOCIATES, INC.

GEOTECHNICAL ENGINEERING • ENVIRONMENTAL ENGINEERING
CONSTRUCTION TESTING & INSPECTION

June 22, 2009 Project No. 114-08033

Mr. Michael Gallen
OTO Development, LLC
1930 Nelson Avenue
Redondo Beach, CA 90278

RE: Addendum #2 to Krazan Phase I Environmental Site Assessment
Proposed Hyatt Place Property
1940 & 1960 East Grand Avenue
El Segundo, California

Dear Mr. Gallen:

Krazan & Associates, Inc., (Krazan) prepared this addendum to address the concentrations of petroleum hydrocarbons detected in soils sampled/analyzed from the project site by Krazan in July 2008. The analytical results revealed a concentration of 43 mg/kg of total recoverable petroleum hydrocarbons (TRPH). Krazan's review of the Cal-EPA California Human Health Screening Levels (CHHSLs) indicates that there are no CHHSLs for TRPH, only benzene, toluene, ethylbenzene, and xylenes (BTEX). Alternatively, Krazan's review of the State of California Regional Water Quality Control Board Environmental Screening Level (ESL) for soils in residential settings, specifically total petroleum hydrocarbons as gasoline, is 83 mg/kg and the ESL for total petroleum hydrocarbons as residual fuel (heavier hydrocarbons) is 370 mg/kg indicating the concentrations of petroleum hydrocarbons identified by Krazan are below the ESL for the State of California in residential settings. Consequently, it is

Krazan's professional opinion that, based on the results of the soil sampling/analysis conducted at the project site, compared to the California ESLs for petroleum hydrocarbons, the concentrations detected at the project site are insignificant and would not preclude the proposed development of the project site for commercial hospitality/hotel usage.

If you have any questions regarding the information presented in this report, please call me at (559) 348-2200.

Respectfully submitted,
KRAZAN & ASSOCIATES, INC.

Cody W. Taylor, REA
National Client Manager
Commercial Services Division
Krazan & Associates, Inc.

APPENDIX D

PROFESSIONAL QUALIFICATIONS

Maura Kelly
Staff Scientist
21 B Street
Burlington, MA 01803
Office: 781.418.2313 Mobile: 617.462.2690

SUMMARY OF EXPERIENCE

Ms. Kelly is a staff scientist specializing in Phase I Environmental Site Assessments (ESAs) in the commercial real estate sector. Ms. Kelly has conducted due diligence environmental assessments for a wide range of properties throughout the northeast. These assessments have been performed to evaluate site conditions, potential off-site liabilities, historic site and vicinity usage, environmental control systems, and site remediation costs in order to advise prospective buyers, lenders, current operators, and owners of current and existing environmental concerns. Sites inspected include multi-family residential, commercial, retail, and industrial properties.

RELEVANT PROJECT EXPERIENCE

Phase I Environmental Site Assessments: Ms. Kelly has conducted ASTM Phase I Environmental Site Assessments for a variety of properties located within the northeast. These properties have included commercial, retail, industrial, and multi-family residential properties. ASTM investigations include correspondence and consultation with Federal, state, and local government offices

EDUCATION

B.A. Environmental Studies, Vassar College, Poughkeepsie, NY, 2002
J.D. Boston College Law School, Newton, MA, 2007

PROFESSIONAL AFFILIATIONS

Massachusetts State Bar

PROFESSIONAL TRAINING

- ASTM E 1257 Phase I Environmental Site Assessment (ESA) Training, 2013
- AHERA 24-hour Asbestos Inspector Accreditation, 2013
- U.S. Department of Housing and Urban Development (HUD) Lead-Based Paint Visual Assessment Training Course, 2013

PUBLICATIONS

- *ENVIRONMENTAL RESPONSIBILITIES OVERSEAS: NATIONAL ENVIRONMENTAL POLICY ACT AND THE EXPORT-IMPORT BANK*, 34 B.C. ENVTL. AFF. L. REV. 335.

EBI Consulting
environmental | engineering | due diligence

Emily Celano
Program Manager
21 B Street
Burlington, MA 01803
Office: 781.418.2336 Mobile: 215.816.1764

SUMMARY OF EXPERIENCE

Emily Celano, Program Manager, has extensive experience focused in commercial real estate due diligence, since 2000. Emily's experience includes several years working in the environmental risk unit of a financial institution with principal markets in the northeastern U.S. Emily has an understanding of environmental due diligence perspectives for different finance transactions, including urban redevelopment, acquisition finance, refinance/renewal, and foreclosure. Emily has a working knowledge of various federal, state and local environmental regulations with respect to commercial real estate due diligence. Emily has reviewed over 2,500 ASTM Phase I Environmental Site Assessments (ESAs), Phase II Limited Subsurface Investigation (LSI) reports, and other regulatory/project documents for a variety of property types, including industrial, office, multifamily, hospitality, retail, gasoline station/automotive service, and development projects.

RELEVANT PROJECT EXPERIENCE

Program Manager, EBI Consulting, August 2015 - present

Perform technical reviews of ASTM Phase I ESAs for various clientele and property types throughout the U.S. Familiar with Fannie Mae, SBA, and various lender-specific ASTM Phase I ESA requirements. Correspond with clientele about report findings and coordinate project specific follow-up work. Correspond with project staff to ensure the successful completion of ESA reports and provide technical feedback to foster EBI's learning organization culture. Member of EBI's internal Green Team to promote EBI's internal sustainability program.

Project Manager, EFI Global, Inc., March 2014 – August 2015

Coordinated real estate environmental due diligence projects for multifamily, retail, office, hospitality, mixed-use, and light industrial properties throughout the U.S. Familiar with Fannie Mae, SBA, and various lender-specific ASTM Phase I ESA requirements. Corresponded with project staff and clients during project duration. Conducted technical review of Phase I ESAs and other project documents prior to client delivery. Coordinated project specific follow-up work, including regulatory agency file reviews, Phase II LSIs, Operations and Maintenance Plans, and Hazardous Material Building Surveys.

Environmental Risk Analyst, Santander Bank (formerly Sovereign Bank), August 2004 – March 2014

Liaison/in-house consultant for internal bank personnel (200+ lending officers and associated support staff) with respect to environmental liability evaluation and advisory services for commercial real estate collateralized lending transactions. Performed environmental database and desktop reviews and reviewed Phase I ESAs, Phase II LSIs, Remedial Action Plans, and other project/regulatory documents to evaluate environmental risks. Prepared internal review memoranda summarizing identified concerns and recommending follow-up evaluations to manage environmental risks prior to, and during the lending term. Properties were primarily located in the eastern United States and included industrial, office, multifamily, hospitality, retail, gasoline station/automotive service, and development projects.

Environmental Scientist, Mid-Atlantic Associates, November 2000 - August 2004

Managed all phases of residential heating oil release projects in New Jersey including field work, subsurface investigation, data interpretation, remedial approach, contractor oversight, client and regulatory agency liaison, and report preparation associated with third party liability insurance claims.

EBI Consulting
environmental | engineering | due diligence

Emily Celano
Program Manager
21 B Street
Burlington, MA 01803
Office: 781.418.2336 Mobile: 215.816.1764

EDUCATION

ALM, Sustainability and Environmental Management, Harvard University Extension School, Cambridge, Massachusetts

B.S., Biology and Environmental Science, Gettysburg College, Gettysburg, Pennsylvania

PROFESSIONAL AFFILIATIONS

U.S. Green Building Council Massachusetts Chapter
Net Impact Boston Professional Chapter
Environmental Leadership Program Senior Fellow

PROFESSIONAL REGISTRATIONS

LEED Green Associate

APPENDIX E

REGULATORY DATABASE REPORT

Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, CA 90245

Inquiry Number: 04741664.2r
September 30, 2016

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

COORDINATES

Latitude (North):	33.9193240 - 33° 55' 9.56''
Longitude (West):	118.3933560 - 118° 23' 36.08''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371197.3
UTM Y (Meters):	3753890.8
Elevation:	115 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TISHMAN SPEYER PROPE	1960 E GRAND AVE	CA HAZNET		TP
A2	TEAM ONE ADVERTISING	1960 E GRAND AVE 7TH	CA HAZNET		TP
A3	REALITY ASSOCIATES F	1960 E GRAND AVE	CA HAZNET		TP
A4	COMMONWEALTH GRAND A	1960 E GRAND AVE	CA HAZNET		TP
A5	TEAM ONE ADVERTISING	1960 EAST GRAND AVE	RCRA-SQG, FINDS, ECHO		TP
B6	GLOBAL SOLUTIONS	1955 GRAND AVE	CA RGA LUST	Higher	150, 0.028, NNE
B7	GLOBAL SOLUTIONS	1955 GRAND AVE	CA LUST	Higher	150, 0.028, NNE
B8	UNITED AIRLINES	1955 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	150, 0.028, NNE
B9	MATTEL INC	1955 E GRAND AVE	RCRA-SQG, CA LUST, FINDS, CA EMI, CA HIST CORTESE,...	Higher	150, 0.028, NNE
C10	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA RGA LUST	Higher	442, 0.084, East
C11	HUGHES AIRCRAFT CO C	1990 GRAND AVE	CA RGA LUST	Higher	442, 0.084, East
D12		222 N SEPULVEDA BLVD	EDR Hist Auto	Lower	477, 0.090, WSW
D13		222 N SEPULVEDA BLVD	EDR Hist Cleaner	Lower	477, 0.090, WSW
E14	MATTEL, INC.	333 CONTINENTAL BLVD	CA AST, CA EMI	Higher	596, 0.113, NE
E15		333 CONTINENTAL BLV	EDR Hist Auto	Higher	596, 0.113, NE
E16	MATTEL, INC.	333 N. CONTINENTAL B	CA UST	Higher	596, 0.113, NE
17	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA LUST, CA SWEEPS UST, CA HIST CORTESE	Higher	598, 0.113, East
18	PACIFIC BUILDING MGM	222 N SEPULVEDA BLVD	CA SWEEPS UST, CA EMI	Lower	672, 0.127, SW
19		SEPULVEDA & GRAND	CA CHMIRS	Lower	783, 0.148, West
F20	MATTEL TOYS INC	335 CONTINENTAL BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	810, 0.153, ENE
G21	PACIFIC CORPORATE TO	100 N. SEPULVEDA BL.	CA UST	Lower	830, 0.157, WSW
G22	PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	CA AST	Lower	830, 0.157, WSW
G23	PACIFIC CORPORATE TO	222 N. SEPULVEDA BL.	CA UST	Lower	830, 0.157, WSW
G24	HUGHES AIRCRAFT CO S	200 N SEPULVEDA BLVD	RCRA-SQG, FINDS, ECHO	Lower	835, 0.158, WSW
G25	ING	200 N SEPULVEDA BLVD	CA AST	Lower	835, 0.158, WSW
G26	PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	CA SWEEPS UST	Lower	835, 0.158, WSW
G27	CETERA FINANCIAL GRO	200 N SEPULVEDA BLVD	CA AST	Lower	835, 0.158, WSW
G28		200 N SEPULVEDA BLVD	EDR Hist Auto	Lower	835, 0.158, WSW
F29		300 NO. CONTINENTAL	CA CHMIRS	Higher	862, 0.163, ENE
30	JIM & JACK AUTO BODY	307 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE	Lower	936, 0.177, WNW
H31	XEROX CORPORATION	1990 XEROX CENTER DR	CA UST	Higher	941, 0.178, SE
I32	COMPUTER SCIENCES CO	2100 E GRAND AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	954, 0.181, ESE
I33	COMPUTER SCIENCES CO	2100 E. GRAND AVE.	CA UST	Higher	954, 0.181, ESE
J34	LAX BUSINESS CENTER	360 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	959, 0.182, WNW
J35	HUGHES AIRCRAFT CO E	360 N. SEPULVEDA BLV	RCRA-SQG, FINDS, ECHO	Higher	959, 0.182, WNW
J36		360 N SEPULVEDA	CA CHMIRS	Higher	959, 0.182, WNW
J37		360 N SEPULVEDA BLVD	EDR Hist Auto	Higher	959, 0.182, WNW
K38		307 N SEPULVEDA BLVD	EDR Hist Auto	Lower	964, 0.183, West
K39	KEVORK TEXACO	307 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	964, 0.183, West

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	HAGOP KIZIRIAN	307 N SEPULVEDA BLVD	CA HIST UST	Lower	964, 0.183, West
J41	LAX BUSINESS CENTER	300 360 AND 390 N SE	CA HIST UST	Higher	996, 0.189, NW
42	TELEDYNE CONTROLS A	501 CONTINENTAL BLVD	RCRA-SQG, FINDS, ECHO	Higher	1020, 0.193, North
43		100 N SEPULVEDA BLVD	EDR Hist Cleaner	Lower	1036, 0.196, SW
H44	XEROX CORP	101 CONTINENTAL	CA SWEEPS UST, CA HAZNET, CA LOS ANGELES CO. HMS	Higher	1062, 0.201, SE
H45	101 CONTINENTIAL PAR	101 CONTINENTAL BOUL	CA UST	Higher	1062, 0.201, SE
L46	SAPA ANODIZING INC	400 N CONTINENTAL BL	RCRA-SQG, FINDS, ECHO	Higher	1070, 0.203, NE
L47	ANODIZING INC	400 N CONTINENTAL BL	CA AST, CA HAZNET	Higher	1070, 0.203, NE
L48		400 CONTINENTAL BLV	EDR Hist Cleaner	Higher	1070, 0.203, NE
M49	RAYTHEON COMPANY	2000 E. EL SEGUNDO B	CA UST	Higher	1113, 0.211, South
M50	BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	CA AST	Higher	1113, 0.211, South
M51		2000 EAST EL SEGUNDO	CA CHMIRS	Higher	1113, 0.211, South
M52	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA ENVIROSTOR, CA CHMIRS, CA NPDES	Higher	1113, 0.211, South
M53	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA LUST, CA HIST CORTESE	Higher	1113, 0.211, South
M54	RAYTHEON SYSTEMS COM	2000 E. EL SEGUNDO B	CA UST	Higher	1113, 0.211, South
M55		2000 BLOCK E. EL SEG	CA AST, CA CHMIRS	Higher	1113, 0.211, South
N56	RAYTHEON COMPANY	2000 E EL SEGUNDO BL	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	1382, 0.262, SE
N57	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1382, 0.262, SE
N58	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1382, 0.262, SE
N59	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA SWEEPS UST, CA CHMIRS, CA Financial Assurance,...	Higher	1382, 0.262, SE
N60	HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	CA RGA LUST	Higher	1382, 0.262, SE
61	CHEVRON #9-7879	101 SEPULVEDA BLVD S	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA LOS...	Lower	1387, 0.263, SW
O62	CITY OF EL SEGUNDO	150 ILLINOIS STREET	CA RGA LUST	Lower	1492, 0.283, West
O63	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA SWEEPS UST	Lower	1492, 0.283, West
O64	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA CHMIRS, CA HIST CORTESE	Lower	1492, 0.283, West
O65	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA RGA LUST	Lower	1492, 0.283, West
O66	A AND A WASTE ROLL O	1700 EAST GRAND AVEN	CA RGA LF	Higher	1507, 0.285, West
O67	A AND A WASTE ROLL	1700 EAST GRAND AVEN	CA RGA LF	Higher	1507, 0.285, West
P68	NORTHROP CORP AIRCRA	2031 E MARIPOSA AVE	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	1769, 0.335, NNE
P69	MATTEL TOYS INC	2031 MARIPOSA	RCRA-LQG, FINDS, CA HWP, CA NPDES, CA WDS, ECHO	Lower	1769, 0.335, NNE
70	WEST COAST BARRIER P	EL SEGUNDO BLVD	CA SLIC, CA CHMIRS, CA WDS	Lower	1842, 0.349, SW
Q71	ALLIED SALES & SALVA	160 S SEPULVEDA BLVD	SEMS-ARCHIVE	Lower	1875, 0.355, SSW
Q72	ALLIED SALES & SALVA	160 SOUTH SEPULVEDA	CA ENVIROSTOR, CA HIST CORTESE	Lower	1875, 0.355, SSW
73	INTERNATIONAL RECTIF	233 KANSAS STREET	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SWEEPS UST, US...	Higher	1953, 0.370, WNW
R74	AMPEX CORPORATION SI	200 NASH ST N	CA RGA LUST	Lower	1978, 0.375, ESE
R75	AMPEX CORP	200 N NASH ST	CA LUST, CA ENF, CA HIST CORTESE, CA LOS ANGELES...	Lower	1978, 0.375, ESE
R76	AMPEX CORPORATION SI	198 NASH ST N	CA RGA LUST	Lower	1986, 0.376, ESE
77	NORTHROP CORP AIRCRA	2043 E MARIPOSA AVEN	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /...	Lower	1996, 0.378, NE
S78	UNITED AIRLINE FLIGH	444 NASH ST	CA RGA LUST	Lower	2004, 0.380, ENE

MAPPED SITES SUMMARY

Target Property Address:
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
S79	UNITED AIRLINE FLIGH	444 NASH ST.	CA RGA LUST	Lower	2004, 0.380, ENE
S80	UNITED AIRLINE FLIGH	444 NASH ST	CA LUST	Lower	2029, 0.384, ENE
S81	UNITED AIRLINES INC	444 NASH ST	CA LUST, CA SWEEPS UST, CA EMI, CA HIST CORTESE,...	Lower	2029, 0.384, ENE
82	UNOCAL #5866	603 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE	Higher	2066, 0.391, NNW
T83	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA RGA LUST	Lower	2203, 0.417, North
T84	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA LUST, CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	2239, 0.424, North
U85	INT RECTIFIER CORP E	233 KANSAS ST	CA ENVIROSTOR, CA LUST, CA SLIC, CA HIST CORTESE,...	Higher	2241, 0.424, West
U86	INTERNATIONAL RECTIF	233 KANSAS ST.	CA RGA LUST	Higher	2241, 0.424, West
U87	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2241, 0.424, West
U88	INTERNATIONAL RECTIF	233 KANSAS ST	CA RGA LUST	Higher	2241, 0.424, West
U89	INTERNATIONAL RECTIF	233 KANSAS	CA SLIC	Higher	2241, 0.424, West
V90	DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	CA ENVIROSTOR	Higher	2253, 0.427, NNW
V91	DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	SEMS-ARCHIVE	Higher	2253, 0.427, NNW
92	HILTON GARDEN INN	MARIPOSA AVENUE AND	CA ENVIROSTOR, CA VCP	Lower	2393, 0.453, NE
W93	PILLACK PROPERTY	1410 GRAND AVE	CA LUST	Higher	2430, 0.460, West
W94	PILLACK PROPERTY	1410 GRAND	CA HIST CORTESE	Higher	2430, 0.460, West
X95	RAYTHEON CO	2030 MAPLE AVENUE	CA ENVIROSTOR, CA HWP	Lower	2578, 0.488, NNE
X96	HUGHES AIRCRAFT CO R	2060 E. IMPERIAL HWY	SEMS-ARCHIVE, RCRA-TSDF, RCRA-LQG, NY MANIFEST	Lower	2578, 0.488, NNE
97	FORMER NORTH AMERICA	400 DULEY ROAD	CA ENVIROSTOR, CA VCP, CA NPDES	Lower	2612, 0.495, ENE
98	HUGHES AIRCRAFT/GILB	800 N. SEPULVEDA BLV	CA ENVIROSTOR, CA VCP	Higher	3088, 0.585, NNW
99	RADIANT SERVICES	200 NEVADA STREET	CA ENVIROSTOR, CA VCP	Lower	3106, 0.588, West
100	FORT MCARTHUR	200 NORTH DOUGLAS ST	CA BOND EXP. PLAN	Lower	3106, 0.588, East
101	201 N. DOUGLAS PROPE	201 N. DOUGLAS STREE	CA ENVIROSTOR, CA SCH	Lower	3118, 0.591, East
Y102	EL SEGUNDO STORAGE A		CA ENVIROSTOR	Higher	3737, 0.708, NNW
Y103	NWRIP DOD #26		CA ENVIROSTOR	Higher	3737, 0.708, NNW
104	NORTH AMERICAN AIRCR		CA ENVIROSTOR	Lower	3837, 0.727, NNE
Z105	THE BOEING COMPANY	1920 E. IMPERIAL HWY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, CA...	Lower	4030, 0.763, North
Z106	BOEING SATELLITE SYS	1920 E IMPERIAL HWY	CA ENVIROSTOR	Lower	4030, 0.763, North
AA107	ROCKWELL INT'L CORP/	827 N DOUGLAS	CA ENVIROSTOR, CA HWP	Lower	4224, 0.800, NE
AA108	WISEBURN HIGH SCHOOL	827 NORTH DOUGLAS ST	CA ENVIROSTOR, CA SLIC, CA SCH, CA HIST CORTESE	Lower	4224, 0.800, NE
AA109	ROCKWELL INTERNATION	815 LAPHAM ST	CORRACTS, RCRA-TSDF, RCRA-SQG, PADS, NY MANIFEST	Lower	4224, 0.800, NE
110	NORTHROP GRUMMAN COR	800 N DOUGLAS	CA HAZNET, CA HWP	Lower	4369, 0.827, NE
111	BLDG. 902	500 N DOUGLAS ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	4651, 0.881, ENE
112	H KRAMER & COMPANY	1 CHAPMAN WAY	CA ENVIROSTOR, CA SLIC, CA ENF, LA Co. Site...	Lower	4861, 0.921, SSE
113	SPERRY GYROSCOPE COR		CA ENVIROSTOR	Lower	5027, 0.952, NNE
114	GARRETT AVIATION SVC	6201 W. IMPERIAL HIG	CA ENVIROSTOR, CA EMI, LA Co. Site Mitigation	Lower	5101, 0.966, North
115	STANDARD OIL CO.		CA ENVIROSTOR	Lower	5172, 0.980, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TISHMAN SPEYER PROPE 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002645577	N/A
TEAM ONE ADVERTISING 1960 E GRAND AVE 7TH EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAL000106192	N/A
REALITY ASSOCIATES F 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002702990	N/A
COMMONWEALTH GRAND A 1960 E GRAND AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002566252	N/A
TEAM ONE ADVERTISING 1960 EAST GRAND AVE EL SEGUNDO, CA 90245	RCRA-SQG EPA ID:: CAD982504094 FINDS Registry ID:: 110002835175 ECHO	CAD982504094

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY---------- Federal Facility Site Information listing
SEMS---------- Superfund Enterprise Management System

Federal RCRA generators list

RCRA-CESQG---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS---------- Land Use Control Information System
US ENG CONTROLS---------- Engineering Controls Sites List
US INST CONTROL---------- Sites with Institutional Controls

Federal ERNS list

ERNS---------- Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE---------- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF---------- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST---------- Underground Storage Tank Listing
INDIAN UST---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT---------- Waste Management Unit Database

CA SWRCY	Recycler Database
CA HAULERS	Registered Waste Tire Haulers Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN	San Gabriel Valley Areas of Concern
US HIST CDL	Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites	Historical Calsites Database
CA CDL	Clandestine Drug Labs
CA Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST	Facility Inventory Database

Local Land Records

CA LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
CA DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CA LDS	Land Disposal Sites Listing
CA MCS	Military Cleanup Sites Listing

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST	EPA WATCH LIST
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees

INDIAN RESERV---------- Indian Reservations
FUSRAP---------- Formerly Utilized Sites Remedial Action Program
UMTRA---------- Uranium Mill Tailings Sites
LEAD SMELTERS---------- Lead Smelter Sites
US MINES---------- Mines Master Index File
UXO---------- Unexploded Ordnance Sites
DOCKET HWC---------- Hazardous Waste Compliance Docket Listing
CA Cortese---------- "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings---------- CUPA Resources List
CA DRYCLEANERS---------- Cleaner Facilities
CA HWT---------- Registered Hazardous Waste Transporter Database
CA MINES---------- Mines Site Location Listing
CA MWMP---------- Medical Waste Management Program Listing
CA PEST LIC---------- Pesticide Regulation Licenses Listing
CA PROC---------- Certified Processors Database
CA Notify 65---------- Proposition 65 Records
CA UIC---------- UIC Listing
CA WASTEWATER PITS---------- Oil Wastewater Pits Listing
CA WIP---------- Well Investigation Program Case List
FUELS PROGRAM---------- EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless

information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 03/07/2016 has revealed that there are 6 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E EL SEGUNDO BL***	***SE 1/4 - 1/2 (0.262 mi.)***	***N56***	***78***
INTERNATIONAL RECTIF	***233 KANSAS STREET***	***WNW 1/4 - 1/2 (0.370 mi.)***	***73***	***172***
DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	NNW 1/4 - 1/2 (0.427 mi.)	V91	218
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ALLIED SALES & SALVA	160 S SEPULVEDA BLVD	SSW 1/4 - 1/2 (0.355 mi.)	Q71	169
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***77***	***191***
HUGHES AIRCRAFT CO R	***2060 E. IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.488 mi.)***	***X96***	***226***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/27/2016 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E EL SEGUNDO BL***	***SE 1/4 - 1/2 (0.262 mi.)***	***N56***	***78***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***77***	***191***
THE BOEING COMPANY	***1920 E. IMPERIAL HWY***	***N 1/2 - 1 (0.763 mi.)***	***Z105***	***268***
ROCKWELL INTERNATION	***815 LAPHAM ST***	***NE 1/2 - 1 (0.800 mi.)***	***AA109***	***323***
BLDG. 902	***500 N DOUGLAS ST***	***ENE 1/2 - 1 (0.881 mi.)***	***111***	***332***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/21/2016 has revealed that there are 4 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2000 E EL SEGUNDO BL***	***SE 1/4 - 1/2 (0.262 mi.)***	***N56***	***78***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA	*2031 E MARIPOSA AVE*	*NNE 1/4 - 1/2 (0.335 mi.)*	*P68*	*156*
NORTHROP CORP AIRCRA	*2043 E MARIPOSA AVEN*	*NE 1/4 - 1/2 (0.378 mi.)*	*77*	*191*
HUGHES AIRCRAFT CO R	*2060 E. IMPERIAL HWY*	*NNE 1/4 - 1/2 (0.488 mi.)*	*X96*	*226*

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/21/2016 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC	*1955 E GRAND AVE*	*NNE 0 - 1/8 (0.028 mi.)*	*B9*	*16*
HUGHES AIRCRAFT CO E	*360 N. SEPULVEDA BLV*	*WNW 1/8 - 1/4 (0.182 mi.)*	*J35*	*42*
TELEDYNE CONTROLS A	*501 CONTINENTAL BLVD*	*N 1/8 - 1/4 (0.193 mi.)*	*42*	*49*
SAPA ANODIZING INC	*400 N CONTINENTAL BL*	*NE 1/8 - 1/4 (0.203 mi.)*	*L46*	*57*

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO S	*200 N SEPULVEDA BLVD*	*WSW 1/8 - 1/4 (0.158 mi.)*	*G24*	*33*

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 05/02/2016 has revealed that there are 20 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A Facility Id: 80001335 Status: Active	*2000 E EL SEGUNDO BL*	*S 1/8 - 1/4 (0.211 mi.)*	*M52*	*65*
INT RECTIFIER CORP E Facility Id: 19360533 Status: Refer: RWQCB	*233 KANSAS ST*	*W 1/4 - 1/2 (0.424 mi.)*	*U85*	*209*
DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	NNW 1/4 - 1/2 (0.427 mi.)	V90	216

Facility Id: 19280313 Status: No Further Action				
HUGHES AIRCRAFT/GILB Facility Id: 19370368 Status: No Further Action	***800 N. SEPULVEDA BLV***	***NNW 1/2 - 1 (0.585 mi.)***	***98***	***250***
EL SEGUNDO STORAGE A Facility Id: 80000076 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.708 mi.)	Y102	265
NWRIP DOD #26 Facility Id: 80000638 Status: Inactive - Needs Evaluation		NNW 1/2 - 1 (0.708 mi.)	Y103	266

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLIED SALES & SALVA Facility Id: 19500011 Status: Refer: Other Agency	***160 SOUTH SEPULVEDA***	***SSW 1/4 - 1/2 (0.355 mi.)***	***Q72***	***170***
HILTON GARDEN INN Facility Id: 19130106 Status: No Further Action	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***92***	***219***
RAYTHEON CO Facility Id: 60001344 Status: Active	***2030 MAPLE AVENUE***	***NNE 1/4 - 1/2 (0.488 mi.)***	***X95***	***223***
FORMER NORTH AMERICA Facility Id: 60000905 Status: No Further Action	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.495 mi.)***	***97***	***242***
RADIANT SERVICES Facility Id: 19130119 Status: Inactive - Action Required	***200 NEVADA STREET***	***W 1/2 - 1 (0.588 mi.)***	***99***	***252***
201 N. DOUGLAS PROPE Facility Id: 60001802 Status: Active	***201 N. DOUGLAS STREE***	***E 1/2 - 1 (0.591 mi.)***	***101***	***255***
NORTH AMERICAN AIRCR Facility Id: 80000838 Facility Id: 80000839 Status: Inactive - Needs Evaluation		NNE 1/2 - 1 (0.727 mi.)	104	267
BOEING SATELLITE SYS Facility Id: 80001440 Status: Active	1920 E IMPERIAL HWY	N 1/2 - 1 (0.763 mi.)	Z106	312
ROCKWELL INT'L CORP/ Facility Id: 80001734 Status: No Further Action	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AA107***	***317***
WISEBURN HIGH SCHOOL Facility Id: 60001621 Status: Inactive - Needs Evaluation	***827 NORTH DOUGLAS ST***	***NE 1/2 - 1 (0.800 mi.)***	***AA108***	***319***
H KRAMER & COMPANY Facility Id: 19330144 Status: Refer: Other Agency	***1 CHAPMAN WAY***	***SSE 1/2 - 1 (0.921 mi.)***	***112***	***380***
SPERRY GYROSCOPE COR Facility Id: 80000842		NNE 1/2 - 1 (0.952 mi.)	113	384

Status: Inactive - Needs Evaluation

GARRETT AVIATION SVC	***6201 W. IMPERIAL HIG***	***N 1/2 - 1 (0.966 mi.)***	***114***	***385***
Facility Id: 71003574				
Status: Refer: Other Agency				
STANDARD OIL CO.		WSW 1/2 - 1 (0.980 mi.)	115	388
Facility Id: 80001144				
Status: Inactive - Needs Evaluation				

State and tribal leaking storage tank lists

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, has revealed that there are 16 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLOBAL SOLUTIONS	1955 GRAND AVE	NNE 0 - 1/8 (0.028 mi.)	B7	14
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Facility Id: 902450089				
Status: Case Closed				
Global ID: T0603701269				
MATTEL INC	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B9***	***16***
Database: LUST, Date of Government Version: 06/13/2016				
Status: Completed - Case Closed				
Global Id: T0603701269				
HUGHES AIRCRAFT CO C	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***
Database: LUST, Date of Government Version: 06/13/2016				
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Status: Completed - Case Closed				
Facility Id: R-13532				
Status: Case Closed				
Global Id: T0603705198				
Global ID: T0603705198				
HUGHES AIRCRAFT COMP	***2000 EL SEGUNDO BLVD***	***S 1/8 - 1/4 (0.211 mi.)***	***M53***	***73***
Database: LUST, Date of Government Version: 06/13/2016				
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Status: Completed - Case Closed				
Facility Id: R-10917				
Status: Case Closed				
Global Id: T0603792958				
Global ID: T0603792958				
INTERNATIONAL RECTIF	***233 KANSAS STREET***	***WNW 1/4 - 1/2 (0.370 mi.)***	***73***	***172***
UNOCAL #5866	***603 SEPULVEDA BLVD N***	***NNW 1/4 - 1/2 (0.391 mi.)***	***82***	***203***
Database: LUST, Date of Government Version: 06/13/2016				
Database: LUST REG 4, Date of Government Version: 09/07/2004				
Status: Completed - Case Closed				
Facility Id: I-09969				
Status: Case Closed				

Global Id: T0603703539
Global ID: T0603703539

INT RECTIFIER CORP E ***233 KANSAS ST*** ***W 1/4 - 1/2 (0.424 mi.)*** ***U85*** ***209***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-15781
Status: Preliminary site assessment underway
Global ID: T0603704349

PILLACK PROPERTY 1410 GRAND AVE W 1/4 - 1/2 (0.460 mi.) W93 221
Database: LUST, Date of Government Version: 06/13/2016
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Completed - Case Closed
Facility Id: I-14091
Status: Case Closed
Global Id: T0603704135
Global ID: T0603704135

Lower Elevation	Address	Direction / Distance	Map ID	Page

JIM & JACK AUTO BODY ***307 SEPULVEDA BLVD N*** ***WNW 1/8 - 1/4 (0.177 mi.)*** ***30*** ***38***
Database: LUST, Date of Government Version: 06/13/2016
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Completed - Case Closed
Facility Id: I-13092
Status: Case Closed
Global Id: T0603704033
Global ID: T0603704033

CHEVRON #9-7879 ***101 SEPULVEDA BLVD S*** ***SW 1/4 - 1/2 (0.263 mi.)*** ***61*** ***144***
Database: LUST, Date of Government Version: 06/13/2016
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Completed - Case Closed
Facility Id: I-09890
Status: Case Closed
Global Id: T0603703512
Global ID: T0603703512

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***W 1/4 - 1/2 (0.283 mi.)*** ***O63*** ***149***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: R-20565
Status: Leak being confirmed
Global ID: T0603705310

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***W 1/4 - 1/2 (0.283 mi.)*** ***O64*** ***152***
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0603705310

AMPEX CORP ***200 N NASH ST*** ***ESE 1/4 - 1/2 (0.375 mi.)*** ***R75*** ***185***
Database: LUST, Date of Government Version: 06/13/2016
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Completed - Case Closed
Facility Id: R-24347
Status: Leak being confirmed
Global Id: T0603705447
Global ID: T0603705447

UNITED AIRLINE FLIGH 444 NASH ST ENE 1/4 - 1/2 (0.384 mi.) S80 197
Database: LUST REG 4, Date of Government Version: 09/07/2004

Facility Id: I-12973
Status: Case Closed
Global ID: T0603704019

UNITED AIRLINES INC ***444 NASH ST*** ***ENE 1/4 - 1/2 (0.384 mi.)*** ***S81*** ***198***
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0603704019

BLACKMORE ASSOCIATES ***700 LAIRPORT ST*** ***N 1/4 - 1/2 (0.424 mi.)*** ***T84*** ***206***
Database: LUST, Date of Government Version: 06/13/2016
Database: LUST REG 4, Date of Government Version: 09/07/2004
Status: Completed - Case Closed
Facility Id: R-11949
Status: Leak being confirmed
Global Id: T0603705083
Global ID: T0603705083

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 3 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INT RECTIFIER CORP E	***233 KANSAS ST***	***W 1/4 - 1/2 (0.424 mi.)***	***U85***	***209***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: SL184571440				
INTERNATIONAL RECTIF	233 KANSAS	W 1/4 - 1/2 (0.424 mi.)	U89	216
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST COAST BARRIER P	***EL SEGUNDO BLVD***	***SW 1/4 - 1/2 (0.349 mi.)***	***70***	***167***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: SL599992902				

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 8 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	333 N. CONTINENTAL B	NE 0 - 1/8 (0.113 mi.)	E16	25
Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Database: UST, Date of Government Version: 06/13/2016				

Facility Id: 300128
Permit Number: 30-0128
Tank Status: UST Removal

XEROX CORPORATION | 1990 XEROX CENTER DR | SE 1/8 - 1/4 (0.178 mi.) | H31 | 40
Database: UST, Date of Government Version: 06/13/2016
Facility Id: 300035

COMPUTER SCIENCES CO | 2100 E. GRAND AVE. | ESE 1/8 - 1/4 (0.181 mi.) | I33 | 41
Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015
Database: UST, Date of Government Version: 06/13/2016
Facility Id: 300024
Permit Number: 30-0024
Tank Status: UST Removal

101 CONTINENTIAL PAR | 101 CONTINENTAL BOUL | SE 1/8 - 1/4 (0.201 mi.) | H45 | 57
Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015
Permit Number: 30-0493
Tank Status: Change of Information

RAYTHEON COMPANY | 2000 E. EL SEGUNDO B | S 1/8 - 1/4 (0.211 mi.) | M49 | 61
Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015
Permit Number: 30-0131
Tank Status: UST Removal

RAYTHEON SYSTEMS COM | 2000 E. EL SEGUNDO B | S 1/8 - 1/4 (0.211 mi.) | M54 | 76
Database: UST, Date of Government Version: 06/13/2016
Facility Id: 300131

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC CORPORATE TO	100 N. SEPULVEDA BL.	WSW 1/8 - 1/4 (0.157 mi.)	G21	32
Database: UST, Date of Government Version: 06/13/2016 Facility Id: 300211				
PACIFIC CORPORATE TO	222 N. SEPULVEDA BL.	WSW 1/8 - 1/4 (0.157 mi.)	G23	33
Database: EL SEGUNDO UST, Date of Government Version: 03/30/2015 Database: UST, Date of Government Version: 06/13/2016 Facility Id: 300212 Permit Number: 30-0212 Permit Number: 30-0211 Tank Status: UST Removal				

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 7 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL, INC.	***333 CONTINENTAL BLVD***	***NE 0 - 1/8 (0.113 mi.)***	***E14***	***22***
ANODIZING INC	***400 N CONTINENTAL BL***	***NE 1/8 - 1/4 (0.203 mi.)***	***L47***	***59***
BLDGS E1,E4,E6,E7	2000 E. EL SEGUNDO B	S 1/8 - 1/4 (0.211 mi.)	M50	62
Not reported	***2000 BLOCK E. EL SEG***	***S 1/8 - 1/4 (0.211 mi.)***	***M55***	***76***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC CORPORATE TO	100-222 N. SEPULVEDA	WSW 1/8 - 1/4 (0.157 mi.)	G22	32
ING	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G25	35
CETERA FINANCIAL GRO	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G27	36

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 05/02/2016 has revealed that there are 2 CA VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HILTON GARDEN INN Status: No Further Action Facility Id: 19130106	***MARIPOSA AVENUE AND***	***NE 1/4 - 1/2 (0.453 mi.)***	***92***	***219***
FORMER NORTH AMERICA Status: No Further Action Facility Id: 60000905	***400 DULEY ROAD***	***ENE 1/4 - 1/2 (0.495 mi.)***	***97***	***242***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 9 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED AIRLINES Status: A Tank Status: A Comp Number: 14047	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B8***	***15***
HUGHES AIRCRAFT CO C Status: A Tank Status: A Comp Number: 13532	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***
MATTEL TOYS INC Status: A Tank Status: A Comp Number: 12622	***335 CONTINENTAL BLVD***	***ENE 1/8 - 1/4 (0.153 mi.)***	***F20***	***31***
COMPUTER SCIENCES CO Status: A Comp Number: 14075	***2100 E GRAND AVE***	***ESE 1/8 - 1/4 (0.181 mi.)***	***I32***	***41***
LAX BUSINESS CENTER Status: A Comp Number: 12164	***360 N SEPULVEDA BLVD***	***WNW 1/8 - 1/4 (0.182 mi.)***	***J34***	***42***
XEROX CORP	***101 CONTINENTAL***	***SE 1/8 - 1/4 (0.201 mi.)***	***H44***	***56***

Status: A
Comp Number: 15358

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BUILDING MGM	***222 N SEPULVEDA BLVD***	***SW 1/8 - 1/4 (0.127 mi.)***	***18***	***28***
Status: A Tank Status: A Comp Number: 13279				
PACIFIC BUILDING MGM	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G26	35
Status: A Tank Status: A Comp Number: 13278				
KEVORK TEXACO	***307 N SEPULVEDA BLVD***	***W 1/8 - 1/4 (0.183 mi.)***	***K39***	***46***
Status: A Tank Status: A Comp Number: 13092				

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAX BUSINESS CENTER	300 360 AND 390 N SE	NW 1/8 - 1/4 (0.189 mi.)	J41	49

Lower Elevation	Address	Direction / Distance	Map ID	Page
HAGOP KIZIRIAN Facility Id: 00000040022	307 N SEPULVEDA BLVD	W 1/8 - 1/4 (0.183 mi.)	K40	48

Records of Emergency Release Reports

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 06/03/2016 has revealed that there are 6 CA CHMIRS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported OES Incident Number: 7-1014	300 NO. CONTINENTAL	ENE 1/8 - 1/4 (0.163 mi.)	F29	37
Not reported OES Incident Number: 7-4022	360 N SEPULVEDA	WNW 1/8 - 1/4 (0.182 mi.)	J36	44
Not reported OES Incident Number: 10719 OES Incident Number: 3-6407	2000 EAST EL SEGUNDO	S 1/8 - 1/4 (0.211 mi.)	M51	62
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***S 1/8 - 1/4 (0.211 mi.)***	***M52***	***65***

OES Incident Number: 1-2235

Not reported	***2000 BLOCK E. EL SEG***	***S 1/8 - 1/4 (0.211 mi.)***	***M55***	***76***

OES Incident Number: 099174
Date Completed: 03-MAY-90

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	SEPULVEDA & GRAND	W 1/8 - 1/4 (0.148 mi.)	19	29

OES Incident Number: 9-4491

Other Ascertainable Records

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT MCARTHUR	200 NORTH DOUGLAS ST	E 1/2 - 1 (0.588 mi.)	100	255

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 13 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MATTEL INC	***1955 E GRAND AVE***	***NNE 0 - 1/8 (0.028 mi.)***	***B9***	***16***
Reg Id: 902450089				
HUGHES AIRCRAFT CO C	***1990 GRAND AVE E***	***E 0 - 1/8 (0.113 mi.)***	***17***	***25***
Reg Id: R-13532				
HUGHES AIRCRAFT COMP	***2000 EL SEGUNDO BLVD***	***S 1/8 - 1/4 (0.211 mi.)***	***M53***	***73***
Reg Id: R-10917X				
INTERNATIONAL RECTIF	***233 KANSAS STREET***	***WNW 1/4 - 1/2 (0.370 mi.)***	***73***	***172***
UNOCAL #5866	***603 SEPULVEDA BLVD N***	***NNW 1/4 - 1/2 (0.391 mi.)***	***82***	***203***
Reg Id: I-09969				
INT RECTIFIER CORP E	***233 KANSAS ST***	***W 1/4 - 1/2 (0.424 mi.)***	***U85***	***209***
Reg Id: I-15781				
PILLACK PROPERTY	1410 GRAND	W 1/4 - 1/2 (0.460 mi.)	W94	223
Reg Id: I-14091				

Lower Elevation	Address	Direction / Distance	Map ID	Page
JIM & JACK AUTO BODY	***307 SEPULVEDA BLVD N***	***WNW 1/8 - 1/4 (0.177 mi.)***	***30***	***38***
Reg Id: I-13092				
CHEVRON #9-7879	***101 SEPULVEDA BLVD S***	***SW 1/4 - 1/2 (0.263 mi.)***	***61***	***144***

Reg Id: I-09890

CITY OF EL SEGUNDO	***150 ILLINOIS ST***	***W 1/4 - 1/2 (0.283 mi.)***	***O64***	***152***
Reg Id: R-20565 Reg Id: 263				
ALLIED SALES & SALVA	***160 SOUTH SEPULVEDA***	***SSW 1/4 - 1/2 (0.355 mi.)***	***Q72***	***170***
Reg Id: 19500011				
AMPEX CORP	***200 N NASH ST***	***ESE 1/4 - 1/2 (0.375 mi.)***	***R75***	***185***
Reg Id: R-24347				
UNITED AIRLINES INC	***444 NASH ST***	***ENE 1/4 - 1/2 (0.384 mi.)***	***S81***	***198***
Reg Id: I-12973				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 05/23/2016 has revealed that there are 7 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***SE 1/4 - 1/2 (0.262 mi.)***	***N59***	***121***
EPA Id: CAD000633230 Cleanup Status: OPERATING PERMIT				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL TOYS INC	***2031 MARIPOSA***	***NNE 1/4 - 1/2 (0.335 mi.)***	***P69***	***158***
EPA Id: CAD009687336 Cleanup Status: PROTECTIVE FILER				
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***NE 1/4 - 1/2 (0.378 mi.)***	***77***	***191***
EPA Id: CAD000627216 Cleanup Status: CLOSED				
RAYTHEON CO	***2030 MAPLE AVENUE***	***NNE 1/4 - 1/2 (0.488 mi.)***	***X95***	***223***
EPA Id: CAT080010853 Cleanup Status: UNDERGOING CLOSURE				
THE BOEING COMPANY	***1920 E. IMPERIAL HWY***	***N 1/2 - 1 (0.763 mi.)***	***Z105***	***268***
EPA Id: CAD060897063 Cleanup Status: CLOSED				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***NE 1/2 - 1 (0.800 mi.)***	***AA107***	***317***
EPA Id: CAD097855126 Cleanup Status: CLOSED				
NORTHROP GRUMMAN COR	***800 N DOUGLAS***	***NE 1/2 - 1 (0.827 mi.)***	***110***	***328***
EPA Id: CAD000627273 Cleanup Status: CLOSED				

CA ICE: Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

A review of the CA ICE list, as provided by EDR, and dated 05/23/2016 has revealed that there are 2 CA ICE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	*2000 E EL SEGUNDO BL*	*SE 1/4 - 1/2 (0.262 mi.)*	*N59*	*121*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
THE BOEING COMPANY	*1920 E. IMPERIAL HWY*	*N 1/2 - 1 (0.763 mi.)*	*Z105*	*268*

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	333 CONTINENTAL BLV	NE 0 - 1/8 (0.113 mi.)	E15	25
Not reported	360 N SEPULVEDA BLVD	WNW 1/8 - 1/4 (0.182 mi.)	J37	45
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
Not reported	222 N SEPULVEDA BLVD	WSW 0 - 1/8 (0.090 mi.)	D12	22
Not reported	200 N SEPULVEDA BLVD	WSW 1/8 - 1/4 (0.158 mi.)	G28	36
Not reported	307 N SEPULVEDA BLVD	W 1/8 - 1/4 (0.183 mi.)	K38	45

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 3 EDR Hist

Cleaner sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	400 CONTINENTAL BLV	NE 1/8 - 1/4 (0.203 mi.)	L48	61

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	222 N SEPULVEDA BLVD	WSW 0 - 1/8 (0.090 mi.)	D13	22
Not reported	100 N SEPULVEDA BLVD	SW 1/8 - 1/4 (0.196 mi.)	43	55

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

A review of the CA RGA LF list, as provided by EDR, has revealed that there are 2 CA RGA LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A AND A WASTE ROLL O Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	W 1/4 - 1/2 (0.285 mi.)	O66	155
A AND A WASTE ROLL Facility ID: 19-AA-1044	1700 EAST GRAND AVEN	W 1/4 - 1/2 (0.285 mi.)	O67	155

CA RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

A review of the CA RGA LUST list, as provided by EDR, has revealed that there are 16 CA RGA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLOBAL SOLUTIONS	1955 GRAND AVE	NNE 0 - 1/8 (0.028 mi.)	B6	14
HUGHES AIRCRAFT CO C	1990 GRAND AVE E	E 0 - 1/8 (0.084 mi.)	C10	21
HUGHES AIRCRAFT CO C	1990 GRAND AVE	E 0 - 1/8 (0.084 mi.)	C11	21
HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.262 mi.)	N57	120
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.262 mi.)	N58	121
HUGHES AIRCRAFT COMP	2000 EL SEGUNDO BLVD	SE 1/4 - 1/2 (0.262 mi.)	N60	144
INTERNATIONAL RECTIF	233 KANSAS ST.	W 1/4 - 1/2 (0.424 mi.)	U86	215
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.424 mi.)	U87	216
INTERNATIONAL RECTIF	233 KANSAS ST	W 1/4 - 1/2 (0.424 mi.)	U88	216

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF EL SEGUNDO	150 ILLINOIS STREET	W 1/4 - 1/2 (0.283 mi.)	O62	149
CITY OF EL SEGUNDO	150 ILLINOIS ST	W 1/4 - 1/2 (0.283 mi.)	O65	155
AMPEX CORPORATION SI	200 NASH ST N	ESE 1/4 - 1/2 (0.375 mi.)	R74	185

EXECUTIVE SUMMARY

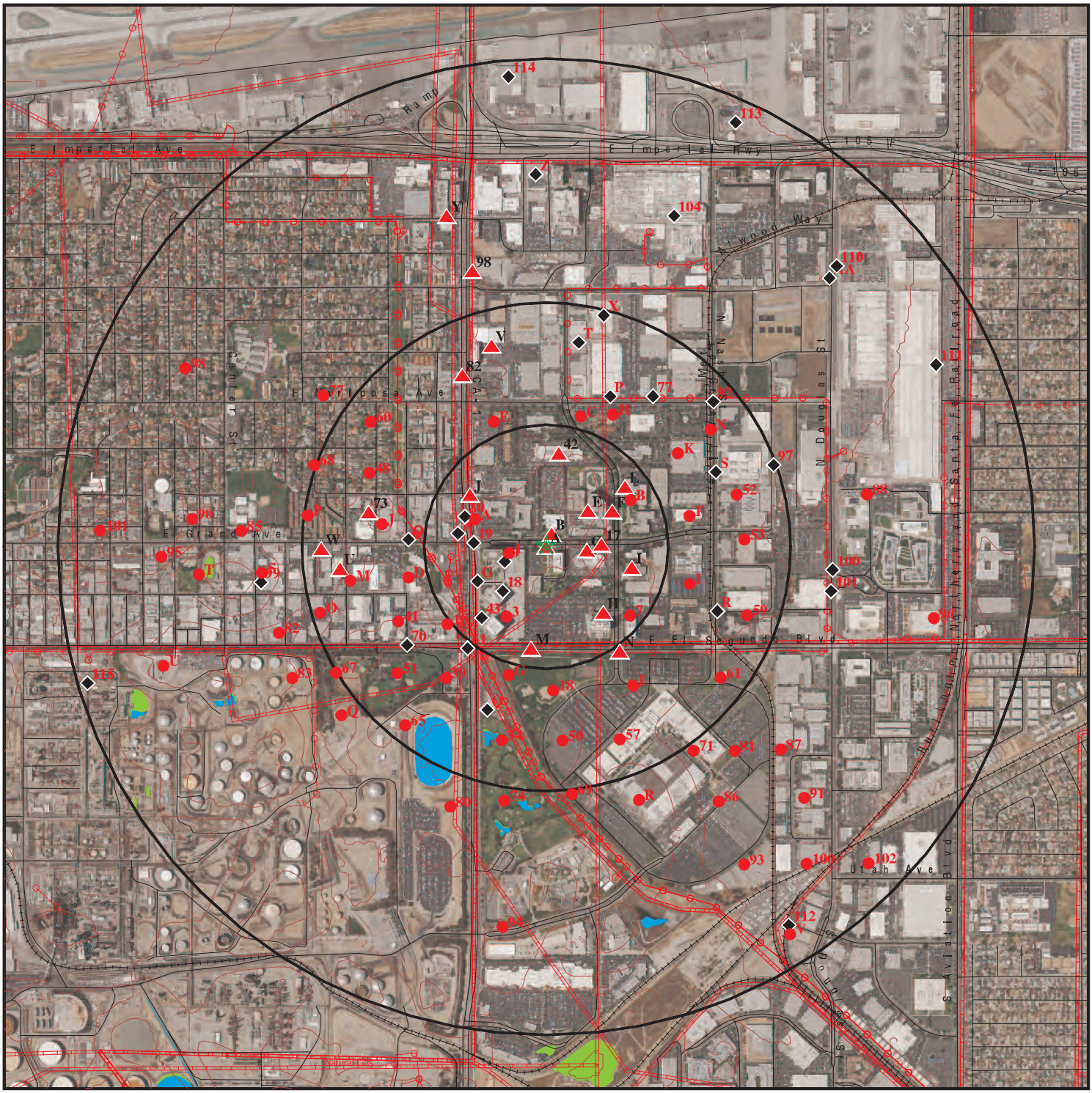
Lower Elevation	Address	Direction / Distance	Map ID	Page
AMPEX CORPORATION SI	198 NASH ST N	ESE 1/4 - 1/2 (0.376 mi.)	R76	191
UNITED AIRLINE FLIGH	444 NASH ST	ENE 1/4 - 1/2 (0.380 mi.)	S78	197
UNITED AIRLINE FLIGH	444 NASH ST.	ENE 1/4 - 1/2 (0.380 mi.)	S79	197
BLACKMORE ASSOCIATES	700 LAIRPORT ST	N 1/4 - 1/2 (0.417 mi.)	T83	206

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
CITY OF EL SEGUNDO	CA LUST, CA HIST CORTESE CA CDL
LA COUNTY/METRO LINE/HAWTHORNE YAR	CA ENVIROSTOR, CA VCP
DOD - LOS ANGELES AIRFORCE BASE	CA SLIC
JONDA ENTERPRISES	CA SLIC

OVERVIEW MAP - 04741664.2R



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Grand Avenue Courtyard	CLIENT:	EnviroBusiness, Inc.
ADDRESS:	1960 East Grand Avenue El Segundo CA 90245	CONTACT:	Production Manager
LAT/LONG:	33.919324 / 118.393356	INQUIRY #:	04741664.2r
		DATE:	September 30, 2016 1:18 pm

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DETAIL MAP - 04741664.2R

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Grand Avenue Courtyard	CLIENT:	EnviroBusiness, Inc.
ADDRESS:	1960 East Grand Avenue El Segundo CA 90245	CONTACT:	Production Manager
LAT/LONG:	33.919324 / 118.393356	INQUIRY #:	04741664.2r
		DATE:	September 30, 2016 1:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	6	NR	NR	6
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	2	3	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	4	NR	NR	4
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	1	4	NR	NR	NR	6
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.125		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	1	6	13	NR	20
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		3	2	11	NR	NR	16

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		0	0	3	NR	NR	3
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		1	7	NR	NR	NR	8
CA AST	0.250		1	6	NR	NR	NR	7
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	2	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		2	7	NR	NR	NR	9
CA HIST UST	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA CHMIRS	0.250		0	6	NR	NR	NR	6
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	TP		NR	NR	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	4	NR	NR	NR	NR	NR	4
CA HIST CORTESE	0.500		2	2	9	NR	NR	13
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA HWP	1.000		0	0	4	3	NR	7
CA HWT	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
CA MINES	TP		NR	NR	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA ICE	1.000		0	0	1	1	NR	2
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		2	3	NR	NR	NR	5
EDR Hist Cleaner	0.250		1	2	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	0.500		0	0	2	NR	NR	2
CA RGA LUST	0.500		3	0	13	NR	NR	16
- Totals --		7	16	42	63	21	0	149

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TISHMAN SPEYER PROPERTIES INC** **CA HAZNET** **S112979960**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 1 of 5 in cluster A

Actual:
115 ft.

HAZNET:

envid:	S112979960
Year:	2009
GEPAID:	CAC002645577
Contact:	DON MCCURRY EXT:12
Telephone:	3104146530
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE STE 550
Mailing City,St,Zip:	EL SEGUNDO, CA 902455062
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22935
Cat Decode:	Laboratory waste chemicals
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

A2 **TEAM ONE ADVERTISING** **CA HAZNET** **S113061592**
Target **1960 E GRAND AVE 7TH FLOOR** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 2 of 5 in cluster A

Actual:
115 ft.

HAZNET:

envid:	S113061592
Year:	1995
GEPAID:	CAL000106192
Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.0542
Cat Decode:	Photochemicals/photoprocessing waste
Method Decode:	Transfer Station
Facility County:	Los Angeles

envid:	S113061592
Year:	1994
GEPAID:	CAL000106192
Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000

TEAM ONE ADVERTISING (Continued) **S113061592**

Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0625
Cat Decode:	Photochemicals/photoprocessing waste
Method Decode:	Recycler
Facility County:	Los Angeles

envid:	S113061592
Year:	1993
GEPAID:	CAL000106192
Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Not reported
Tons:	0.12509999999
Cat Decode:	Photochemicals/photoprocessing waste
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113061592
Year:	1993
GEPAID:	CAL000106192
Contact:	SAATCHI & SAATCHI
Telephone:	3106152072
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	0.125
Cat Decode:	Photochemicals/photoprocessing waste
Method Decode:	Recycler
Facility County:	Los Angeles

A3 **REALITY ASSOCIATES FUND #9** **CA HAZNET** **S113787228**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 3 of 5 in cluster A

Actual: 115 ft.

HAZNET:

envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014

REALITY ASSOCIATES FUND #9 (Continued) **S113787228**

Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00834
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.068
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY
Telephone:	3104140014
Mailing Name:	Not reported
Mailing Address:	1960 E GRAND AVE
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0924
Cat Decode:	Not reported
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles
envid:	S113787228
Year:	2012
GEPAID:	CAC002702990
Contact:	DON MCCURRY

REALITY ASSOCIATES FUND #9 (Continued) **S113787228**

Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00417
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

A4 **COMMONWEALTH GRAND AVENUE CORP** **CA HAZNET** **S112930455**
Target **1960 E GRAND AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 4 of 5 in cluster A

Actual:
115 ft.

HAZNET:
envid: S112930455
Year: 2006
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Transfer Station
Tons: 0.12
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Transfer Station
Facility County: Los Angeles

envid: S112930455
Year: 2006
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Transfer Station
Tons: 0.62
Cat Decode: Latex waste
Method Decode: Transfer Station
Facility County: Los Angeles

COMMONWEALTH GRAND AVENUE CORP (Continued) **S112930455**

envid: S112930455
Year: 2006
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: 0.45
Cat Decode: Unspecified solvent mixture
Method Decode: Transfer Station
Facility County: Los Angeles

envid: S112930455
Year: 2003
GEPAID: CAC002566252
Contact: DON MC CURRY/CHIEF ENG
Telephone: 3104140014
Mailing Name: Not reported
Mailing Address: 1960 E GRAND AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 0.22
Cat Decode: Laboratory waste chemicals
Method Decode: Transfer Station
Facility County: Los Angeles

A5 **TEAM ONE ADVERTISING** **RCRA-SQG** **1000294322**
Target **1960 EAST GRAND AVE SUITE E** **FINDS** **CAD982504094**
Property **EL SEGUNDO, CA 90245** **ECHO**

Site 5 of 5 in cluster A

Actual:
115 ft.

RCRA-SQG:
Date form received by agency: 01/03/1990
Facility name: TEAM ONE ADVERTISING
Facility address: 1960 EAST GRAND AVE SUITE E
EL SEGUNDO, CA 90245
EPA ID: CAD982504094
Contact: ENVIRONMENTAL MANAGER
Contact address: 1960 EAST GRAND AVE SUITE E
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (213) 615-2000
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

TEAM ONE ADVERTISING (Continued) **1000294322**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAATCHI INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002835175

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TEAM ONE ADVERTISING (Continued) **1000294322**

ECHO:
Envid: 1000294322
Registry ID: 110002835175
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002835175

B6 **GLOBAL SOLUTIONS** **CA RGA LUST** **S114627483**
NNE **1955 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.028 mi.
150 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

RGA LUST:

2012	GLOBAL SOLUTIONS	1955 GRAND AVE
2011	GLOBAL SOLUTIONS	1955 GRAND AVE
2010	GLOBAL SOLUTIONS	1955 GRAND AVE
2009	GLOBAL SOLUTIONS	1955 GRAND AVE
2008	GLOBAL SOLUTIONS	1955 GRAND AVE
2007	GLOBAL SOLUTIONS	1955 GRAND AVE
2006	GLOBAL SOLUTIONS	1955 GRAND AVE
2005	GLOBAL SOLUTIONS	1955 GRAND AVE
2003	GLOBAL SOLUTIONS	1955 GRAND AVE
2002	GLOBAL SOLUTIONS	1955 GRAND AVE
2001	GLOBAL SOLUTIONS	1955 GRAND AVE
2000	GLOBAL SOLUTIONS	1955 GRAND AVE
1998	GLOBAL SOLUTIONS	1955 GRAND AVE

B7 **GLOBAL SOLUTIONS** **CA LUST** **S103285662**
NNE **1955 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.028 mi.
150 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701269	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/31/1997
Date Leak Record Entered:	5/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/2/1998
Date the Case was Closed:		2/2/1998

GLOBAL SOLUTIONS (Continued) **S103285662**

How Leak Discovered:	Not reported
How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	7732.533116976584544896281612
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	GLOBAL SOLUTIONS
RP Address:	2700 COMBELLACK DR, SIGNAL HILL, CA 90806
Program:	LUST
Lat/Long:	33.9195106 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

B8 **UNITED AIRLINES** **CA SWEEPS UST** **S102058314**
NNE **1955 E GRAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.028 mi.
150 ft. **Site 3 of 4 in cluster B**

Relative:
Higher

Actual:
116 ft.

SWEEPS UST:

Status:	Active
Comp Number:	14047
Number:	9
Board Of Equalization:	44-010337
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-014047-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported

UNITED AIRLINES (Continued) **S102058314**

Number Of Tanks: 1

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 013645-014047
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005519T
Permit Status: Closed

B9 **MATTEL INC** **RCRA-SQG 1000819588**
NNE **1955 E GRAND AVE** **CA LUST CAD983655804**
< 1/8 **EL SEGUNDO, CA 90245** **FINDS**
0.028 mi. **CA EMI**
150 ft. **Site 4 of 4 in cluster B** **CA HIST CORTESE**
ECHO

Relative: Higher

Actual: 116 ft.

RCRA-SQG:
Date form received by agency: 04/01/1999
Facility name: MATTEL INC
Facility address: 1955 E GRAND AVE
EL SEGUNDO, CA 902455012
EPA ID: CAD983655804
Mailing address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: COZETTA MIGUELENA
Contact address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 252-5524
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: (310) 252-5524
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

MATTEL INC (Continued) **1000819588**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0603701269
Latitude: 33.920641
Longitude: -118.39318
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/02/1998
Lead Agency: EL SEGUNDO, CITY OF
Case Worker: SHT
Local Agency: EL SEGUNDO, CITY OF
RB Case Number: 902450089
LOC Case Number: Not reported

MATTEL INC (Continued) **1000819588**

File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603701269
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603701269
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603701269
Status: Completed - Case Closed
Status Date: 02/02/1998

Global Id: T0603701269
Status: Open - Case Begin Date
Status Date: 12/31/1997

Regulatory Activities:
Global Id: T0603701269
Action Type: Other
Date: 12/31/1997
Action: Leak Reported

FINDS:

Registry ID: 110002889875

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MATTEL INC (Continued) **1000819588**

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	4042
Air District Name:	SC
SIC Code:	6512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	4042
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC

MATTEL INC (Continued) **1000819588**

SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02919
Reactive Organic Gases Tons/Yr:	0.01
Carbon Monoxide Emissions Tons/Yr:	0.1503
NOX - Oxides of Nitrogen Tons/Yr:	0.224
SOX - Oxides of Sulphur Tons/Yr:	0.001901
Particulate Matter Tons/Yr:	0.01675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005

MATTEL INC (Continued) **1000819588**

Carbon Monoxide Emissions Tons/Yr: .058
NOX - Oxides of Nitrogen Tons/Yr: .088
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .005
Part. Matter 10 Micrometers and Smllr Tons/Yr: .005

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902450089

ECHO:
Envid: 1000819588
Registry ID: 110002889875
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002889875

C10 **HUGHES AIRCRAFT CO CSG** **CA RGA LUST** **S114633803**
East **1990 GRAND AVE E** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.084 mi.
442 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**

Actual: **117 ft.**

RGA LUST:

2012	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2011	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2010	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2009	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2008	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2007	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2006	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2005	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2003	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2002	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E
2001	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE E

C11 **HUGHES AIRCRAFT CO CSG** **CA RGA LUST** **S114633805**
East **1990 GRAND AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.084 mi.
442 ft. **Site 2 of 2 in cluster C**

Relative: **Higher**

Actual: **117 ft.**

RGA LUST:

2000	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1998	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1997	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE
1996	HUGHES AIRCRAFT CO CSG	1990 GRAND AVE

D12 **EDR Hist Auto** **1015336515**
WSW **222 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.090 mi.
477 ft. **Site 1 of 2 in cluster D**

Relative: EDR Historical Auto Stations:
Lower Name: MAACO AUTO PAINTING & BODYWORK
Year: 2010
Actual: Address: 222 N SEPULVEDA BLVD
109 ft.

D13 **EDR Hist Cleaner** **1015021058**
WSW **222 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.090 mi.
477 ft. **Site 2 of 2 in cluster D**

Relative: EDR Historical Cleaners:
Lower Name: SUPER COIN LAUNDRY INC
Year: 2003
Actual: Address: 222 N SEPULVEDA BLVD
109 ft.

E14 **MATTEL, INC.** **CA AST** **S106835271**
NE **333 CONTINENTAL BLVD** **CA EMI** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.113 mi.
596 ft. **Site 1 of 3 in cluster E**

Relative: AST:
Higher

Certified Unified Program Agencies:	El Segundo
Owner:	MATTEL, INC.
Actual: Total Gallons:	2,650
122 ft. CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported
Certified Unified Program Agencies:	Not reported

MATTEL, INC. (Continued) **S106835271**

Owner:	Mattel, Inc
Total Gallons:	Not reported
CERSID:	10157347
Facility ID:	19-013-300128
Business Name:	Mattel, Inc.
Phone:	310-252-2000
Fax:	Not reported
Mailing Address:	333 Continental Blvd; M1-0530
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Mattel, Inc
Operator Phone:	310-252-2000
Owner Phone:	310-252-2000
Owner Mail Address:	333 Continental Blvd
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD982433401

EMI:

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

MATTEL, INC. (Continued) **S106835271**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03178
Reactive Organic Gases Tons/Yr:	0.02
Carbon Monoxide Emissions Tons/Yr:	0.1792
NOX - Oxides of Nitrogen Tons/Yr:	0.2648
SOX - Oxides of Sulphur Tons/Yr:	0.00224
Particulate Matter Tons/Yr:	0.01985
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02

Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	83248
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0391354975166079866
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.231
NOX - Oxides of Nitrogen Tons/Yr:	.321
SOX - Oxides of Sulphur Tons/Yr:	.003
Particulate Matter Tons/Yr:	.025
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.025

E15
NE
< 1/8
0.113 mi.
596 ft.

EDR Hist Auto **1015432370**
N/A

333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245

Site 2 of 3 in cluster E

Relative:
Higher

Actual:
122 ft.

EDR Historical Auto Stations:
Name: ARCOTOYS INC
Year: 2002
Address: 333 CONTINENTAL BLVD

E16
NE
< 1/8
0.113 mi.
596 ft.

CA UST **U003836511**
N/A

MATTEL, INC.
333 N. CONTINENTAL BL.
EL SEGUNDO, CA 90245

Site 3 of 3 in cluster E

Relative:
Higher

Actual:
122 ft.

UST:
Facility ID: 300128
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.922401
Longitude: -118.389576

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Change of information
CERT Number: 03404
Permit Number: 30-0128

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Motort vehicle fueling
Date Inspected: 12/12/2007

17
East
< 1/8
0.113 mi.
598 ft.

CA LUST **S102431537**
CA SWEEPS UST **N/A**
CA HIST CORTESE

HUGHES AIRCRAFT CO CSG
1990 GRAND AVE E
EL SEGUNDO, CA 90245

Relative:
Higher

Actual:
116 ft.

LUST:
Region: STATE
Global Id: T0603705198
Latitude: 33.9188509
Longitude: -118.39182
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/19/1996
Lead Agency: EL SEGUNDO, CITY OF
Case Worker: SHT
Local Agency: EL SEGUNDO, CITY OF
RB Case Number: R-13532
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603705198
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705198
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705198
Status: Completed - Case Closed
Status Date: 08/19/1996

Global Id: T0603705198
Status: Open - Case Begin Date
Status Date: 08/19/1996

Regulatory Activities:
Global Id: T0603705198
Action Type: Other
Date: 08/19/1996
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-13532
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705198
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: Not reported
Enforcement Type: Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Date Leak Discovered: Not reported
Date Leak First Reported: 8/19/1996
Date Leak Record Entered: 8/23/1996
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 8/19/1996
Date the Case was Closed: 8/19/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7534.84954061541884537709753 47
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HUGHES AIRCRAFT CO., S66
RP Address: P.O. BOX 92919, LOS ANGELES CA 90009
Program: LUST
Lat/Long: 33.9191286 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 13532
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013532-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

STG: W
Content: Not reported
Number Of Tanks: 1

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13532

18
SW
1/8-1/4
0.127 mi.
672 ft.

Relative:
Lower

Actual:
111 ft.

PACIFIC BUILDING MGMT
222 N SEPULVEDA BLVD
EL SEGUNDO, CA

CA SWEEPS UST **S103642911**
CA EMI **N/A**

SWEEPS UST:
Status: Active
Comp Number: 13279
Number: 9
Board Of Equalization: 44-010119
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013279-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 15131
Air District Name: SC
SIC Code: 6512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

19
West
1/8-1/4
0.148 mi.
783 ft.

SEPULVEDA & GRAND
EL SEGUNDO, CA

CA CHMIRS **S105659386**
N/A

Relative:
Lower

Actual:
105 ft.

CHMIRS:

OES Incident Number:	9-4491
OES notification:	10/22/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S105659386**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block
OES Incident Number:	9-4491
OES notification:	10/22/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999

(Continued) **S105659386**

Agency:	City El Segundo
Incident Date:	10/22/199912:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Waste Oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Waste Transport / Overfilled Tanker spilled waste oil along Sepulveda Blvd. Absorbant being applyed. 2 Lanes block

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F20 **MATTEL TOYS INC** **CA SWEEPS UST** **S102056128**
ENE **335 CONTINENTAL BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.153 mi.
810 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
116 ft.

SWEEPS UST:

Status:	Active
Comp Number:	12622
Number:	9
Board Of Equalization:	44-009850
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-012622-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	012469-012622

MATTEL TOYS INC (Continued) **S102056128**

Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00004498T
Permit Status: Closed

G21 **PACIFIC CORPORATE TOWERS** **CA UST** **U003758315**
WSW **100 N. SEPULVEDA BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
830 ft. **Site 1 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

UST:
Facility ID: 300211
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9182168
Longitude: -118.3935885

G22 **PACIFIC CORPORATE TOWERS** **CA AST** **A100324589**
WSW **100-222 N. SEPULVEDA BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.157 mi.
830 ft. **Site 2 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

AST:
Certified Unified Program Agencies: El Segundo
Owner: PACIFIC CORPORATE TOWERS
Total Gallons: 1,800
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

G23
WSW
1/8-1/4
0.157 mi.
830 ft.

PACIFIC CORPORATE TOWERS
222 N. SEPULVEDA BL.
EL SEGUNDO, CA 90245

Site 3 of 8 in cluster G

CA UST **U003949009**
N/A

Relative:
Lower

Actual:
105 ft.

UST:

Facility ID:	300212
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9203861
Longitude:	-118.3937989

EL SEGUNDO UST:

Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Permanent Facility Closure
CERT Number:	03435
Permit Number:	30-0211
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	12/31/2005
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	07/14/2008

G24
WSW
1/8-1/4
0.158 mi.
835 ft.

HUGHES AIRCRAFT CO SCG
200 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

Site 4 of 8 in cluster G

RCRA-SQG **1000241026**
FINDS **CAD982500373**
ECHO

Relative:
Lower

Actual:
105 ft.

RCRA-SQG:

Date form received by agency:	03/06/1990
Facility name:	HUGHES AIRCRAFT CO SCG
Facility address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD982500373
Mailing address:	P O BOX 92919 S40 T360 LOS ANGELES, CA 90009
Contact:	ENVIRONMENTAL MANAGER
Contact address:	200 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	(213) 647-8378
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

HUGHES AIRCRAFT CO SCG (Continued) **1000241026**

hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PRUDENTIAL LIFE INSUR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002833596

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

HUGHES AIRCRAFT CO SCG (Continued) **1000241026**

Envid: 1000241026
Registry ID: 110002833596
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002833596

G25 **ING** **CA AST** **A100324047**
WSW **200 N SEPULVEDA BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.158 mi.
835 ft. **Site 5 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	ING
Total Gallons:	3,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

G26 **PACIFIC BUILDING MGMT** **CA SWEEPS UST** **S100864326**
WSW **200 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.158 mi.
835 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

SWEEPS UST:

Status:	Active
Comp Number:	13278
Number:	9
Board Of Equalization:	44-010119
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013278-000001
Tank Status:	A

PACIFIC BUILDING MGMT (Continued) **S100864326**

Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	1

G27 **CETERA FINANCIAL GROUP** **CA AST** **A100418653**
WSW **200 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.158 mi.
835 ft. **Site 7 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Cetera Financial Group
Total Gallons:	Not reported
CERSID:	10629772
Facility ID:	Not reported
Business Name:	Cetera Financial Group
Phone:	3102577452
Fax:	3107841103
Mailing Address:	200 N Sepulveda Blvd. #1200
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Sergio Brito
Operator Phone:	3102577452
Owner Phone:	866-489-3100
Owner Mail Address:	200 N Sepulveda Blvd
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	Pacific Corporate Towers LLC
Property Owner Phone:	310-615-0122
Property Owner Mailing Address:	200 North Sepulveda Blvd. #650
Property Owner City:	El Segundo
Property Owner Stat :	CA
Property Owner Zip Code:	90245
Property Owner Country:	United States
EPAID:	CAD000274397

G28 **EDR Hist Auto** **1015302019**
WSW **200 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.158 mi.
835 ft. **Site 8 of 8 in cluster G**

Relative:
Lower

Actual:
105 ft.

EDR Historical Auto Stations:

Name:	CHEVRON PRODUCTS CO
Year:	2009
Address:	200 N SEPULVEDA BLVD

F29
ENE
1/8-1/4
0.163 mi.
862 ft.

CA CHMIRS **S109038236**
N/A

300 NO. CONTINENTAL BLVD
EL SEGUNDO, CA 90245

Site 2 of 2 in cluster F

Relative:
Higher

Actual:
116 ft.

CHMIRS:

OES Incident Number:	7-1014
OES notification:	02/14/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Citizen/Property Manager
Incident Date:	2/14/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Paint, Water based
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S109038236**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Paint was spilled by an apprentice building engineer. He then attempted to clean it up by washing it down with a hose, and got it into the storm drain in doing so.

30
WNW
1/8-1/4
0.177 mi.
936 ft.

JIM & JACK AUTO BODY **CA LUST** **S101296171**
307 SEPULVEDA BLVD N **CA HIST CORTESE** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
112 ft.

LUST:

Region:	STATE
Global Id:	T0603704033
Latitude:	33.9193645
Longitude:	-118.3963002
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/08/1992
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-13092
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603704033
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603704033
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)

JIM & JACK AUTO BODY (Continued) **S101296171**

Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603704033
Status: Completed - Case Closed
Status Date: 10/08/1992

Global Id: T0603704033
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0603704033
Status: Open - Site Assessment
Status Date: 10/02/1989

Regulatory Activities:
Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

Global Id: T0603704033
Action Type: Other
Date: 09/26/1990
Action: Leak Reported

Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Stopped

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13092
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704033
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 10/2/1989
Date Leak First Reported: 9/26/1990
Date Leak Record Entered: 12/4/1990
Date Confirmation Began: Not reported

JIM & JACK AUTO BODY (Continued) **S101296171**

Date Leak Stopped:	10/2/1989	
Date Case Last Changed on Database:		10/8/1992
Date the Case was Closed:		10/8/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	KIZIRIAN, JAMES	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8074.487666780854504297629471
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		10/2/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	KEVORK TEXACO	
RP Address:	1605 GRAND AVE., E., EL SEGUNDO, 90245	
Program:	LUST	
Lat/Long:	33.9193645 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-13092

H31 **XEROX CORPORATION** **CA UST** **U003836567**
SE **1990 XEROX CENTER DRIVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.178 mi.
941 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
132 ft.

UST:

Facility ID:	300035
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.92223
Longitude:	-118.41122

I32 **COMPUTER SCIENCES CORP** **CA SWEEPS UST** **S104872487**
ESE **2100 E GRAND AVE** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.181 mi.
954 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
121 ft.

SWEEPS UST:

Status:	Active
Comp Number:	14075
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	013666-014075
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00005535T
Permit Status:	Closed

I33 **COMPUTER SCIENCES CORPORATION** **CA UST** **U003804630**
ESE **2100 E. GRAND AVE.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.181 mi.
954 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
121 ft.

UST:

Facility ID:	300024
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.919728
Longitude:	-118.389369

EL SEGUNDO UST:

Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Permanent Facility Closure
CERT Number:	03405
Permit Number:	30-0024
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	03/24/2008

J34 **LAX BUSINESS CENTER** **CA SWEEPS UST** **S104872489**
WNW **360 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.182 mi.
959 ft. **Site 1 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

SWEEPS UST:

Status:	Active
Comp Number:	12164
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	012063-012164
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00003788T
Permit Status:	Closed

J35 **HUGHES AIRCRAFT CO EDSG** **RCRA-SQG** **1000241001**
WNW **360 N. SEPULVEDA BLVD** **FINDS** **CAD981397961**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.182 mi.
959 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

RCRA-SQG:

Date form received by agency:	04/22/1986
Facility name:	HUGHES AIRCRAFT CO EDSG
Facility address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAD981397961
Mailing address:	360 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact:	ENVIRONMENTAL MANAGER
Contact address:	360 N. SEPULVEDA BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	(213) 616-5871
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

HUGHES AIRCRAFT CO EDSG (Continued) **1000241001**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LAX BUSINESS CENTER
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002693559

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HUGHES AIRCRAFT CO EDSG (Continued) **1000241001**

ECHO:
Envid: 1000241001
Registry ID: 110002693559
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002693559

J36 **CA CHMIRS** **S109038786**
WNW **360 N SEPULVEDA** **N/A**
1/8-1/4 **EL SEGUNDO, CA 93001**
0.182 mi.
959 ft. **Site 3 of 5 in cluster J**

Relative:
Higher

Actual:
123 ft.

CHMIRS:

OES Incident Number:	7-4022
OES notification:	07/05/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	El Sequndo DFD
Incident Date:	7/5/2007 12:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes

(Continued) **S109038786**

Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Diesel
Gallons:	40
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Gas truck was making a delivery and the truck hit a gate and started leaking.

J37 **EDR Hist Auto** **1015448207**
WNW **360 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.182 mi.
959 ft. **Site 4 of 5 in cluster J**

Relative:
Higher

EDR Historical Auto Stations:

Actual:
123 ft.

Name:	9 TO 5 AUTO SERVICE
Year:	2001
Address:	360 N SEPULVEDA BLVD
Name:	9 TO 5 AUTO SERVICE
Year:	2002
Address:	360 N SEPULVEDA BLVD

K38 **EDR Hist Auto** **1015409530**
West **307 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
964 ft. **Site 1 of 3 in cluster K**

Relative:
Lower

EDR Historical Auto Stations:

Actual:
105 ft.

Name:	KEVORKS AUTOMOBILE SERVICE
Year:	1999
Address:	307 N SEPULVEDA BLVD
Name:	KEVORKS AUTO REPAIR
Year:	2001
Address:	307 N SEPULVEDA BLVD
Name:	KEVORKS AUTO REPAIR
Year:	2002
Address:	307 N SEPULVEDA BLVD

(Continued) **1015409530**

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2003
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2004
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2005
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2006
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2007
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTOMOBILE SERVICE
Year: 2008
Address: 307 N SEPULVEDA BLVD

Name: KEVORKS AUTO REPAIR
Year: 2009
Address: 307 N SEPULVEDA BLVD

K39 **KEVORK TEXACO** **CA SWEEPS UST** **S100224390**
West **307 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
964 ft. **Site 2 of 3 in cluster K**

Relative:
Lower

Actual:
105 ft.

SWEEPS UST:
Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported

KEVORK TEXACO (Continued) **S100224390**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13092
Number: 9
Board Of Equalization: 44-010045
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013092-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 008473-013092
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00004818T
Permit Status: Closed

Region: LA
Permit Category: I

KEVORK TEXACO (Continued) **S100224390**

Facility Id: 008473-I13092
Facility Type: 01
Facility Status: Closed
Area: 2N
Permit Number: 000010284
Permit Status: Closed

K40 **HAGOP KIZIRIAN** **CA HIST UST** **U001563002**
West **307 N SEPULVEDA BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.183 mi.
964 ft. **Site 3 of 3 in cluster K**

Relative:
Lower

Actual:
105 ft.

HIST UST:

File Number:	00027E04
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027E04.pdf
Region:	STATE
Facility ID:	00000040022
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	2136150672
Owner Name:	MOBIL OIL CORP
Owner Address:	612 S. FLOWER ST
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1962
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1962
Tank Capacity:	00006000

HAGOP KIZIRIAN (Continued) **U001563002**

Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

J41 **LAX BUSINESS CENTER** **CA HIST UST** **S118412247**
NW **300 360 AND 390 N SEPULVEDA BL** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.189 mi.
996 ft. **Site 5 of 5 in cluster J**

Relative:
Higher

Actual:
122 ft.

HIST UST:

File Number:	00026699
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026699.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

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42 **TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC** **RCRA-SQG** **1000241004**
North **501 CONTINENTAL BLVD** **FINDS** **CAD981407216**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.193 mi.
1020 ft.

Relative:
Higher

Actual:
117 ft.

RCRA-SQG:

Date form received by agency:	12/16/2015
Facility name:	TELEDYNE CONTROLS LLC
Facility address:	501 CONTINENTAL BLVD EL SEGUNDO, CA 90245 5036
EPA ID:	CAD981407216
Mailing address:	PO BOX 1026 EL SEGUNDO, CA 90245 1026
Contact:	NOEL G LIRA
Contact address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245 5036
Contact country:	US

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

Contact telephone: 310-765-3832
Contact email: NOEL.LIRA@TELEDYNE.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CONTINENT PROPERTY LLC
Owner/operator address: W OLYMPIC BLVD 10TH FL C/O THE WONDERFUL COMPANY
LOS ANGELES, 90064
Owner/operator country: US
Owner/operator telephone: 310-966-5705
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/21/2010
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE CONTROLS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2016
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

. Waste code: 352
. Waste name: 352

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Historical Generators:
Date form received by agency: 02/28/2011
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

. Waste code: 181
. Waste name: 181

. Waste code: 331

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 08/02/2010
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

. Waste code: 181
. Waste name: 181

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/02/2006
Site name: TELEDYNE CONTROLS-A BUSINESS UNIT OF TEL
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC (Continued) **1000241004**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 05/08/1986
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002697261

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ECHO:
Envid: 1000241004
Registry ID: 110002697261
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002697261

43
SW
1/8-1/4
0.196 mi.
1036 ft.

100 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

EDR Hist Cleaner **1014966410**
N/A

Relative:
Lower

Actual:
113 ft.

EDR Historical Cleaners:
Name: WASH MULTIFAMILY LAUNDRY SYSTEMS
Year: 2011
Address: 100 N SEPULVEDA BLVD

H44 **XEROX CORP** **CA SWEEPS UST** **S102055537**
SE **101 CONTINENTAL** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.201 mi.
1062 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
133 ft.

SWEEPS UST:

Status:	Active
Comp Number:	15358
Number:	1
Board Of Equalization:	Not reported
Referral Date:	06-05-90
Action Date:	06-05-90
Created Date:	06-05-90
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HAZNET:

envid:	S102055537
Year:	2014
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	13.344
Cat Decode:	Aqueous solution with total organic residues 10 percent or more
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

envid:	S102055537
Year:	2013
GEPAID:	CAL000349796
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

XEROX CORP (Continued) **S102055537**

Tons: 15.429
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 014690-015358
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005893T
Permit Status: Closed

H45 **101 CONTINENTIAL PARTNERS LLC- (NORTHROP GRUMMAN)** **CA UST** **U004105660**
SE **101 CONTINENTAL BOULEVARD** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.201 mi.
1062 ft. **Site 3 of 3 in cluster H**

Relative: Higher
Actual: 133 ft.

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Change of information
CERT Number: Not reported
Permit Number: 30-0493

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Diesel
Other Contents: Not reported
Active: Emergency generator fuel
Date Inspected: Not reported

L46 **SAPA ANODIZING INC** **RCRA-SQG** **1004676442**
NE **400 N CONTINENTAL BLVD** **FINDS** **CAR000085407**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.203 mi.
1070 ft. **Site 1 of 3 in cluster L**

Relative: Higher
Actual: 115 ft.

RCRA-SQG:
Date form received by agency: 10/26/2000
Facility name: SAPA ANODIZING INC
Facility address: 400 N CONTINENTAL BLVD
CONTINENTAL GRAND PLAZA I I
EL SEGUNDO, CA 90245
EPA ID: CAR000085407
Mailing address: 7933 N E 21ST AVE
PORTLAND, OR 97211
Contact: BOB OKREN
Contact address: 7933 N E 21ST AVE
PORTLAND, OR 97211
Contact country: US
Contact telephone: (503) 972-1404
Contact email: Not reported

SAPA ANODIZING INC (Continued) **1004676442**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SAPA
Owner/operator address: P O BOX 5505 SE 114 85
STOCKHOLM, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (503) 972-1404
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: P003
. Waste name: 2-PROPENAL (OR) ACROLEIN

Violation Status: No violations found

FINDS:

Registry ID: 110012225797

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

SAPA ANODIZING INC (Continued) **1004676442**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1004676442
Registry ID: 110012225797
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012225797

L47 **ANODIZING INC** **CA AST** **S113170695**
NE **400 N CONTINENTAL BLVD** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.203 mi.
1070 ft. **Site 2 of 3 in cluster L**

Relative: Higher

Actual: 115 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Not reported
Total Gallons: Not reported
CERSID: 10591615
Facility ID: Not reported
Business Name: Continental Grand Plaza II
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

HAZNET:
envid: S113170695
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: AZD009015389

ANODIZING INC (Continued) **S113170695**

TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Treatment, Incineration
Tons: 0.2
Cat Decode: Unspecified solvent mixture
Method Decode: Treatment, Incineration
Facility County: Los Angeles

envid: S113170695
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: AZD009015389
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0.07
Cat Decode: Other organic solids
Method Decode: Not reported
Facility County: Los Angeles

envid: S113170695
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: AZD009015389
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.36
Cat Decode: Other organic solids
Method Decode: Recycler
Facility County: Los Angeles

envid: S113170695
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: AZD009015389
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler

ANODIZING INC (Continued) **S113170695**

Tons: 0.2
Cat Decode: Not reported
Method Decode: Recycler
Facility County: Los Angeles

envid: S113170695
Year: 2000
GEPAID: CAP000072074
Contact: --
Telephone: 5039721404
Mailing Name: Not reported
Mailing Address: 400 N CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Not reported
TSD EPA ID: AZD009015389
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.2
Cat Decode: Unspecified solvent mixture
Method Decode: Recycler
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

L48 **EDR Hist Cleaner** **1015054365**
NE **400 CONTINENTAL BLVD** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.203 mi.
1070 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
115 ft.

EDR Historical Cleaners:
Name: MAHOGANY CARPET CLEANING
Year: 2010
Address: 400 CONTINENTAL BLVD

Name: MAHOGANY CARPET CLEANING
Year: 2011
Address: 400 CONTINENTAL BLVD

Name: MAHOGANY CARPET CLEANING
Year: 2012
Address: 400 CONTINENTAL BLVD

M49 **RAYTHEON COMPANY** **CA UST** **U003836535**
South **2000 E. EL SEGUNDO BL. BLDG. E-1** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.211 mi.
1113 ft. **Site 1 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

EL SEGUNDO UST:
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Permanent Facility Closure
CERT Number: 03418
Permit Number: 30-0131

RAYTHEON COMPANY (Continued) **U003836535**

Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	Motort vehicle fueling
Date Inspected:	12/15/1998

M50 **BLDGS E1,E4,E6,E7** **CA AST** **A100323169**
South **2000 E. EL SEGUNDO BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.211 mi.
1113 ft. **Site 2 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

AST:

Certified Unified Program Agencies:	El Segundo
Owner:	RAYTHEON
Total Gallons:	6,500
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

M51 **CA CHMIRS** **S105638538**
South **2000 EAST EL SEGUNDO BLVD.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 3 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

CHMIRS:

OES Incident Number:	10719
OES notification:	Not reported
OES Date:	10/30/1995
OES Time:	05:50:02 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported

(Continued) **S105638538**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain leads to san pedro bay
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	hughes aircraft company
Incident Date:	2400/30, Oct 95
Admin Agency:	Not reported
Amount:	100-150 gals.
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	industrial waste water ph at 3-4 (water containing trace metals, chrome, nickel, silver, copper)
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

(Continued) **S105638538**

Comments:	Not reported
Description:	overflow in one of the waste treatment tanks and water flowed over the top of containment structure, flowing into the parking lot and into the storm drain. pumps shut off to stop the flow between 0030 and 0100 am.
OES Incident Number:	3-6407
OES notification:	12/12/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Raytheon Co.
Incident Date:	12/12/200312:00:00 AM
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	treated waste water
Gallons:	1000
Unknown:	0

(Continued) **S105638538**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release occurred when a line was ruptured while removing an underground storage tank with a back hole. It discharged into the soil.

M52 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **CA ENVIROSTOR** **1008152328**
South **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA NPDES**
0.211 mi.
1113 ft. **Site 4 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

ENVIROSTOR:

Facility ID:	80001335
Status:	Active
Status Date:	01/01/2008
Site Code:	300331
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Richard Allen
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91631
Longitude:	-118.3934
APN:	NONE SPECIFIED
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description:	SOIL
Alias Name:	CAD000633230
Alias Type:	EPA Identification Number
Alias Name:	110018947826
Alias Type:	EPA (FRS #)
Alias Name:	300331
Alias Type:	Project Code (Site Code)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Alias Name: 80001335
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 12/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/28/2012
Comments: conditional appoval, field work to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/25/2013
Comments: field work begun

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 12/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Groundwater Migration Controlled

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Future Due Date:	2016
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Constructed
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Selection and Statement of Basis
Future Due Date:	2016
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CHMIRS:

OES Incident Number:	1-2235
OES notification:	04/07/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Raytheon Company

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Incident Date:	3/22/2011
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Antimony
Quantity Released:	39
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	HISTORIC REPORT: The caller is reporting that antimony (a soft metal) was in a load of debris sent to a landfill. The caller stated that the amount of antimony was well below the federal reportable quantity.

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	339622
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	1/16/2008
STATUS CODE NAME:	Active
STATUS DATE:	1/16/2008
PLACE SIZE:	143
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Mark Moloney

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-647-4196
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Raytheon Co
OPERATOR ADDRESS:	2000 E El Segundo Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Mark Moloney
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-647-4196
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	189577
Order No:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I006187
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	8/23/2007
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	4/22/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	8/23/2007
PLACE SIZE:	143
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Uve Sillat
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-647-4195
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Hughes Aircraft Co
OPERATOR ADDRESS:	2000 E El Segundo Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	UVE Sillat
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-616-7316
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-647-4195
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Pedro Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	3679-Electronic Components, NEC
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	339622
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

M53 **HUGHES AIRCRAFT COMPANY** **CA LUST** **S104406645**
South **2000 EL SEGUNDO BLVD E** **CA HIST CORTESE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 5 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

LUST:

Region:	STATE
Global Id:	T0603792958
Latitude:	33.9131995947745
Longitude:	-118.388929367065
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/22/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-10917
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	* Solvents
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

Contact:
Global Id: T0603792958
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603792958
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603792958
Status: Completed - Case Closed
Status Date: 07/22/1996

Global Id: T0603792958
Status: Open - Case Begin Date
Status Date: 01/14/1986

Global Id: T0603792958
Status: Open - Remediation
Status Date: 05/04/1995

Global Id: T0603792958
Status: Open - Site Assessment
Status Date: 04/21/1988

Regulatory Activities:
Global Id: T0603792958
Action Type: Other
Date: 01/14/1986
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-10917
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: VEGT
Global ID: T0603792958

HUGHES AIRCRAFT COMPANY (Continued) **S104406645**

W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: CONTINENTAL BLVD
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/14/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/15/1996
Date the Case was Closed: 7/22/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: AREA EOS, BUILDING E-07
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6965.1556450590234266996340924
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/21/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: 5/4/1995
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HUGHES ELECTRO-OPTICAL & DSG.
RP Address: P.O. BOX 902, EL SEGUNDO CA 90243
Program: LUST
Lat/Long: 33.916304 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: WDR HAS BEEN ISSUED. WDR WILL BE USED ALONG WITH INDUSTRIAL WASTE PERMIT FUEL AND SOLVENT CONTAMINATION. 11/15/96 - WELL ABANDONMENT REPORT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10917X

M54 **RAYTHEON SYSTEMS COMPANY** **CA UST** **U003782150**
South **2000 E. EL SEGUNDO BL.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 6 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

UST:
Facility ID: 300131
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9162267
Longitude: -118.3877344

M55 **CA AST** **S100276312**
South **2000 BLOCK E. EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.211 mi.
1113 ft. **Site 7 of 7 in cluster M**

Relative:
Higher

Actual:
119 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Raytheon Company
Total Gallons: Not reported
CERSID: 10131241
Facility ID: Not reported
Business Name: Raytheon Company
Phone: 310-647-4196
Fax: 310-647-4191
Mailing Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Mailing Address City: El Segundo
Mailing Address State: CA
Mailing Address Zip Code: 90245
Operator Name: Raytheon Company
Operator Phone: 310-647-4196
Owner Phone: 310-647-4196
Owner Mail Address: 2000 E. El Segundo Blvd., Bldg E04 M/S N169
Owner State: CA
Owner Zip Code: 90245
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: United States
EPAID: CAD000633230

CHMIRS:
OES Incident Number: 099174
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **03-MAY-90**
Property Use: 962
Agency Id Number: 19065
Agency Incident Number: UNKNOWN
Time Notified: 825
Time Completed: 1135
Surrounding Area: 700

(Continued) **S100276312**

Estimated Temperature:	70
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	CAPT. JAMES O'BRIEN
Report Date:	03-MAY-90
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	03-MAY-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	13-MAY-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

N56
SE
1/4-1/2
0.262 mi.
1382 ft.

Relative:
Higher

Actual:
129 ft.

RAYTHEON COMPANY
2000 E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245

Site 1 of 5 in cluster N

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-LQG
US FIN ASSUR
2020 COR ACTION
NY MANIFEST

1015732613
CAD000633230

SEMS-ARCHIVE:
Site ID: 903300
EPA ID: CAD000633230
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903300
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13287491.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293086.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298944.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/12/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: DISCOVERY
Date Started: / /
Date Completed: 05/21/91
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA029WQ

RAYTHEON COMPANY (Continued) **1015732613**

NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA049PA
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA050 - RFA Completed
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910907
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120319
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: 20120228
Schedule end date: 20120531

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150921
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: 20151229
Schedule end date: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920124
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: 19920124
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920124
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: 19920124
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150324
Action: CA190 - RFI Report Received
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: 20141231
Schedule end date: 20150301

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130625
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20120628
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20150529
Action: CA200 - RFI Approved
NAICS Code(s): 334419
Other Electronic Component Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: RAYTHEON COMPANY
Facility address: 2000 E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: (718) 768-3991
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER ST
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/18/1997
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER ST

RAYTHEON COMPANY (Continued) **1015732613**

WALTHAM, MA 02451
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 123
. Waste name: 123

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

RAYTHEON COMPANY (Continued) **1015732613**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

RAYTHEON COMPANY (Continued) **1015732613**

Historical Generators:
Date form received by agency: 07/26/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 123
. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

RAYTHEON COMPANY (Continued) **1015732613**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U188
. Waste name: PHENOL

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 06/08/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND

RAYTHEON COMPANY (Continued) **1015732613**

F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM

RAYTHEON COMPANY (Continued) **1015732613**

PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 171
. Waste name: 171

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 241
. Waste name: 241

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: 512
. Waste name: 512

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 711
. Waste name: 711

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

RAYTHEON COMPANY (Continued) **1015732613**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

RAYTHEON COMPANY (Continued) **1015732613**

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

RAYTHEON COMPANY (Continued) **1015732613**

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074

RAYTHEON COMPANY (Continued) **1015732613**

. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Date form received by agency: 09/01/1996
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 03/26/1996
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 04/13/1992
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

RAYTHEON COMPANY (Continued) **1015732613**

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 27150

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 12650

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 5496

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 5496

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 17142

Waste code: D008
Waste name: LEAD
Amount (Lbs): 5933

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 95

Waste code: D011
Waste name: SILVER
Amount (Lbs): 5503

Waste code: D018

RAYTHEON COMPANY (Continued) **1015732613**

Waste name: BENZENE
Amount (Lbs): 10060

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 6117

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 2810

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 621

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 621

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 23358

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 17862

RAYTHEON COMPANY (Continued) **1015732613**

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 17940

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 5496

Waste code: U068
Waste name: METHANE, DIBROMO-
Amount (Lbs): 5496

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE
Amount (Lbs): 5496

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 5496

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 5496

Corrective Action Summary:

Event date: 09/07/1991
Event: CA029WQ

Event date: 09/07/1991
Event: CA049PA

Event date: 09/07/1991
Event: RFA Completed

Event date: 09/07/1991
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 01/24/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 01/24/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

RAYTHEON COMPANY (Continued) **1015732613**

Event date: 03/19/2012
Event: RFI Workplan Received

Event date: 06/28/2012
Event: RFI Workplan Approved

Event date: 06/25/2013
Event: RFI Supplemental Implementation Begun

Event date: 03/24/2015
Event: RFI Report Received

Event date: 05/29/2015
Event: RFI Approved

Event date: 09/21/2015
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/22/2006
Date achieved compliance: 07/21/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/22/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002

RAYTHEON COMPANY (Continued) **1015732613**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/27/2000
Date achieved compliance: 09/06/2002
Violation lead agency: State

RAYTHEON COMPANY (Continued) **1015732613**

Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 09/18/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 08/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 08/16/1994
Date achieved compliance: 10/14/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

RAYTHEON COMPANY (Continued) **1015732613**

Enforcement action date: 08/16/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/25/1994
Date achieved compliance: 02/28/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/22/1991
Date achieved compliance: 01/06/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/05/1991
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 01/06/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/20/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/06/1989
Date achieved compliance: 11/18/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/23/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/10/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation lead agency: State

Evaluation date: 08/29/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/02/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2006

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 03/08/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/22/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/2002
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/06/2002
Evaluation lead agency: State

Evaluation date: 04/27/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 08/16/1994

RAYTHEON COMPANY (Continued) **1015732613**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/14/1994
Evaluation lead agency: State

Evaluation date: 01/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/28/1994
Evaluation lead agency: State

Evaluation date: 11/22/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/06/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/26/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/18/1991
Evaluation lead agency: State

Evaluation date: 09/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/06/1994
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD000633230
Provider: INTESA SANPAOLO
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093074-793
Cost estimate: 839820
Face value: 850731
Effective date: 2009-05-20 00:00:00

EPA ID: CAD000633230
Provider: INTESA SANPAOLO
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 093048-793

RAYTHEON COMPANY (Continued) **1015732613**

Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-05-30 00:00:00

2020 COR ACTION:
EPA ID: CAD000633230
Region: 9
Action: Not reported

NY MANIFEST:
Country: USA
EPA ID: CAD000633230
Facility Status: Not reported
Location Address 1: 2000 EL SEGUNDO BOULEVARD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: EL SEGUNDO
Location State: CA
Location Zip: 90245
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD000633230
Mailing Name: HUGHES AIRCRAFT COMPANY
Mailing Contact: DEAN D RICHARDSON
Mailing Address 1: 2000 EL SEGUNDO BOULEVARD
Mailing Address 2: Not reported
Mailing City: SEGUNDO
Mailing State: CA
Mailing Zip: 90245
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2136165284

NY MANIFEST:
Document ID: NYC5731266
Manifest Status: Not reported
seq: 01
Year: 2001
Trans1 State ID: Not reported
Trans2 State ID: 71071NNY
Generator Ship Date: 02/07/2001
Trans1 Recv Date: 02/07/2001
Trans2 Recv Date: 02/09/2001
TSD Site Recv Date: 02/22/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: CAD000633230
Trans1 EPA ID: SCR000074591
Trans2 EPA ID: NYD982792814
TSDF ID 1: NYD000632372
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYC5731312
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71072NNY
Generator Ship Date:	06/28/2001
Trans1 Recv Date:	06/28/2001
Trans2 Recv Date:	07/02/2001
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230

RAYTHEON COMPANY (Continued) **1015732613**

Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	010
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	003
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Document ID:	NYC5730840
Manifest Status:	Not reported
seq:	01
Year:	2000
Trans1 State ID:	Not reported
Trans2 State ID:	71070NNY

RAYTHEON COMPANY (Continued) **1015732613**

Generator Ship Date:	01/19/2000
Trans1 Recv Date:	01/19/2000
Trans2 Recv Date:	01/27/2000
TSD Site Recv Date:	02/09/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	004
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00105
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

RAYTHEON COMPANY (Continued) **1015732613**

Document ID:	NYB7216461
Manifest Status:	Not reported
seq:	01
Year:	1999
Trans1 State ID:	Not reported
Trans2 State ID:	71071NNY
Generator Ship Date:	08/17/1999
Trans1 Recv Date:	08/17/1999
Trans2 Recv Date:	08/20/1999
TSD Site Recv Date:	09/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00018
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

RAYTHEON COMPANY (Continued) **1015732613**

Quantity:	00045
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Document ID:	NYB7216461
Manifest Status:	Not reported
seq:	02
Year:	1999
Trans1 State ID:	Not reported
Trans2 State ID:	71071NNY
Generator Ship Date:	08/17/1999
Trans1 Recv Date:	08/17/1999
Trans2 Recv Date:	08/20/1999
TSD Site Recv Date:	09/07/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCD987574647
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00220
Units:	P - Pounds
Number of Containers:	006
Container Type:	CY - Cylinders

RAYTHEON COMPANY (Continued) **1015732613**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Document ID:	NYB1551150
Manifest Status:	K
seq:	Not reported
Year:	1990
Trans1 State ID:	105297
Trans2 State ID:	11340PNY
Generator Ship Date:	08/06/1990
Trans1 Recv Date:	08/06/1990
Trans2 Recv Date:	08/08/1990
TSD Site Recv Date:	08/20/1990
Part A Recv Date:	09/05/1990
Part B Recv Date:	09/07/1990
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00008
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

N57 **HUGHES AIRCRAFT** **CA RGA LUST** **S114633855**
SE **2000 EL SEGUNDO BLVD E** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.262 mi.
1382 ft. **Site 2 of 5 in cluster N**

Relative:
Higher

RGA LUST:

1996	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E
1995	HUGHES AIRCRAFT	2000 EL SEGUNDO BLVD E

Actual:
129 ft.

N58 **HUGHES AIRCRAFT COMPANY** **CA RGA LUST** **S114633835**
SE **2000 EL SEGUNDO BLVD E** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.262 mi.
1382 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

Actual:
129 ft.

RGA LUST:

2012	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2011	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2010	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2009	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2008	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2007	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2006	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2005	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2003	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2002	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2001	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
2000	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
1998	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E
1997	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD E

N59 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **CA SWEEPS UST** **1000240981**
SE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA Financial Assurance**
0.262 mi. **CA HWP**
1382 ft. **Site 4 of 5 in cluster N** **CA ICE**

Relative:
Higher

Actual:
129 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	12

Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000007
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000041
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000042
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000043

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000044
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000045
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000046
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 34

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000010
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000011
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000012
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000013
Tank Status: A

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000014
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000015
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000016
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000017
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000018
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000019
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000020
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000021
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000022
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000023
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000025
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000026
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000027
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000028
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000029
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000030
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000031
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000032
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000033
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000034
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000035
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000036
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000037
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000038
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000039
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id:	19-000-010917-000040
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CHMIRS:

OES Incident Number:	10-5897
OES notification:	09/30/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1010
Year:	2010
Agency:	Raytheon
Incident Date:	9/30/2010
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Substance:	Diesel
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaking fuel return line from an underground storage tank system.
OES Incident Number:	08-8955
OES notification:	12/16/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Measure:	Gal(s)
Other:	Not reported
Date/Time:	1420
Year:	2008
Agency:	Ratheon Company
Incident Date:	12/16/2008
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Storm drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP advised his agency found an abandoned container with approximately 5 gallons of motor oil or crank oil in their parking lot.

CA Financial Assurance 1:

EPA ID Number:	CAD000633230
Sudden Amount1:	$2,000,000.00
Non Sudden Amount1:	Not reported
Closure Mechanism:	LOC
Closure Amount:	$921,482.00
Post Closure Mechanism:	Not reported
Post Closure Amount:	Not reported
Corrective Action Mechanism:	Not reported
Corrective Action Amount:	Not reported
Sudden Mechanism Type:	LOC
Sudden Mechanism Amount:	$1,000,000.00
Non Sudden Mechanism Type:	Not reported
Non Sudden Mechanism Amount:	Not reported
O and M Mechanism Type:	Not reported
O and M Amount:	Not reported

HWP:

EPA Id:	CAD000633230
Cleanup Status:	OPERATING PERMIT
Latitude:	33.91183
Longitude:	-118.3894
Facility Type:	Permitted - Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Facility Size: Small Storage
Team: PHILLIP BLUM
Supervisor: LIANG CHIANG
Site Code: 300331
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 01/28/1997

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 12/05/2013

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/22/1995

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 08/17/2007

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 06/14/1996

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 06/12/1990

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/31/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 10/06/2015

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: Renewal - No Changes - ADMINISTRATIVE REVIEW COMPLETE
Actual Date: 08/31/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 10/01/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 04/06/2006

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 12/24/1996

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/29/1996

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/12/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/07/1983

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/29/1983

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/1994

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 01/27/2007

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 10/22/2013

Alias:
EPA Id: CAD000633230
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 300331

EPA Id: CAD000633230
Facility Type: Permitted - Operating
Alias Type: FRS
Alias: 110018947826

ICE:
Envirostor ID: 3000609

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA ID: CAD000633230
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/18/2002

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/27/2000
Violation Class: Class 1, Minor
RTC Date: 09/06/2002

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/18/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/20/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/03/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/08/2006
Violation Class: No Violations

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/29/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/10/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/21/2014
Violation Class: No Violations
RTC Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/24/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2015
Violation Class: No Violations
RTC Date: Not reported

N60
SE
1/4-1/2
0.262 mi.
1382 ft.

HUGHES AIRCRAFT COMPANY **CA RGA LUST** **S114633837**
2000 EL SEGUNDO BLVD, E. **N/A**
EL SEGUNDO, CA

Site 5 of 5 in cluster N

Relative:
Higher

Actual:
129 ft.

RGA LUST:

1994	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD, E.
1993	HUGHES AIRCRAFT COMPANY	2000 EL SEGUNDO BLVD, E.

61
SW
1/4-1/2
0.263 mi.
1387 ft.

CHEVRON #9-7879 **CA LUST** **U003064093**
101 SEPULVEDA BLVD S **CA SWEEPS UST** **N/A**
EL SEGUNDO, CA 90245 **CA HIST CORTESE**
CA LOS ANGELES CO. HMS

Relative:
Lower

Actual:
111 ft.

LUST:
Region: STATE
Global Id: T0603703512
Latitude: 33.9158106
Longitude: -118.3961311
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/26/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: EL SEGUNDO, CITY OF
RB Case Number: I-09890
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603703512
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

CHEVRON #9-7879 (Continued) **U003064093**

Global Id: T0603703512
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603703512
Status: Completed - Case Closed
Status Date: 08/26/1996

Global Id: T0603703512
Status: Open - Case Begin Date
Status Date: 06/22/1993

Global Id: T0603703512
Status: Open - Remediation
Status Date: 08/16/1995

Global Id: T0603703512
Status: Open - Site Assessment
Status Date: 06/22/1993

Regulatory Activities:
Global Id: T0603703512
Action Type: Other
Date: 06/22/1993
Action: Leak Reported

Global Id: T0603703512
Action Type: Other
Date: 06/22/1993
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09890
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703512
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: EL SEGUNDO BLVD
Enforcement Type: Not reported
Date Leak Discovered: 6/22/1993

CHEVRON #9-7879 (Continued) **U003064093**

Date Leak First Reported:		6/22/1993
Date Leak Record Entered:	7/22/1993	
Date Confirmation Began:	6/22/1993	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		1/29/1998
Date the Case was Closed:		8/26/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	CHEVRON	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6942.1216422851674645778665277
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		8/16/1995
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		550
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	P.O. BOX 2833, LA HABRA, CA 90632-2833	
Program:	LUST	
Lat/Long:	33.9158106 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	PLAN TO IMPLEMENT IN 60 DAYS IF NO RESPONSE FROM RWB 03/28/96 REQURST FOR SITE CLOSURE.	

SWEEPS UST:

Status:	Active
Comp Number:	9890
Number:	9
Board Of Equalization:	44-008621
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009890-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89

CHEVRON #9-7879 (Continued) **U003064093**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 8

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

CHEVRON #9-7879 (Continued) **U003064093**

Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9890
Number: 9
Board Of Equalization: 44-008621
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

CHEVRON #9-7879 (Continued) **U003064093**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009890-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09890

LOS ANGELES CO. HMS:
Region: LA
Permit Category: I
Facility Id: 008432-I09890
Facility Type: 01
Facility Status: Removed
Area: 2N
Permit Number: 000010297
Permit Status: Removed

O62 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602719**
West **150 ILLINOIS STREET** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.283 mi.
1492 ft. **Site 1 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

RGA LUST:

1994	CITY OF EL SEGUNDO	150 ILLINOIS STREET
1993	CITY OF EL SEGUNDO	150 ILLINOIS STREET

O63 **CITY OF EL SEGUNDO** **CA LUST** **S105245837**
West **150 ILLINOIS ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.283 mi.
1492 ft. **Site 2 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-20565
Status: Leak being confirmed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705310
W Global ID: Not reported

CITY OF EL SEGUNDO (Continued) **S105245837**

Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		7/1/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	7/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HILTON, JACK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7644.2494960799073652181337702
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF EL SEGUNDO	
RP Address:	150 ILLINOIS STREET, EL SEGUNDO, CA 90245	
Program:	LUST	
Lat/Long:	33.9169335 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000001

CITY OF EL SEGUNDO (Continued) **S105245837**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported

CITY OF EL SEGUNDO (Continued) **S105245837**

Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

O64 **CITY OF EL SEGUNDO** **CA LUST** **S100224384**
West **150 ILLINOIS ST** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.283 mi.
1492 ft. **Site 3 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

LUST:
Region: STATE
Global Id: T0603705310
Latitude: 33.9171671
Longitude: -118.3982757
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/26/2006
Lead Agency: EL SEGUNDO, CITY OF
Case Worker: SHT
Local Agency: EL SEGUNDO, CITY OF
RB Case Number: R-20565
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation

CITY OF EL SEGUNDO (Continued) **S100224384**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705310
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705310
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0603705310
Status:	Completed - Case Closed
Status Date:	07/26/2006

Global Id:	T0603705310
Status:	Open - Case Begin Date
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Open - Site Assessment
Status Date:	07/01/1986

Regulatory Activities:

Global Id:	T0603705310
Action Type:	Other
Date:	07/01/1986
Action:	Leak Reported

CHMIRS:

OES Incident Number:	991567
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**30-SEP-88**
Property Use:	600
Agency Id Number:	19065
Agency Incident Number:	13696
Time Notified:	1323
Time Completed:	1448
Surrounding Area:	700
Estimated Temperature:	80

CITY OF EL SEGUNDO (Continued) **S100224384**

Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	10
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	O'BRIEN
Report Date:	30-SEP-88
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	30-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19

CITY OF EL SEGUNDO (Continued) **S100224384**

Reg By: LTNKA
Reg Id: R-20565

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 263

O65 **CITY OF EL SEGUNDO** **CA RGA LUST** **S114602717**
West **150 ILLINOIS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.283 mi.
1492 ft. **Site 4 of 6 in cluster O**

Relative:
Lower

Actual:
114 ft.

RGA LUST:

2012	CITY OF EL SEGUNDO	150 ILLINOIS ST
2011	CITY OF EL SEGUNDO	150 ILLINOIS ST
2010	CITY OF EL SEGUNDO	150 ILLINOIS ST
2009	CITY OF EL SEGUNDO	150 ILLINOIS ST
2008	CITY OF EL SEGUNDO	150 ILLINOIS ST
2007	CITY OF EL SEGUNDO	150 ILLINOIS ST
2006	CITY OF EL SEGUNDO	150 ILLINOIS ST
2005	CITY OF EL SEGUNDO	150 ILLINOIS ST
2003	CITY OF EL SEGUNDO	150 ILLINOIS ST
2002	CITY OF EL SEGUNDO	150 ILLINOIS ST
2001	CITY OF EL SEGUNDO	150 ILLINOIS ST
2000	CITY OF EL SEGUNDO	150 ILLINOIS ST
1998	CITY OF EL SEGUNDO	150 ILLINOIS ST
1997	CITY OF EL SEGUNDO	150 ILLINOIS ST
1996	CITY OF EL SEGUNDO	150 ILLINOIS ST
1995	CITY OF EL SEGUNDO	150 ILLINOIS ST

O66 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724449**
West **1700 EAST GRAND AVENUE** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.285 mi.
1507 ft. **Site 5 of 6 in cluster O**

Relative:
Higher

Actual:
115 ft.

RGA LF:

2009	A AND A WASTE ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE

O67 **A AND A WASTE ROLL OFF SERVICES, INC.** **CA RGA LF** **S114724448**
West **1700 EAST GRAND AVENUE** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.285 mi.
1507 ft. **Site 6 of 6 in cluster O**

Relative:
Higher

Actual:
115 ft.

RGA LF:

2008	A AND A WASTE ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2007	A AND A WASTE ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2006	A AND A WASTE ROLL OFF SERVICES, INC.	1700 EAST GRAND AVENUE
2005	A AND A WASTE ROLL OFF SERVICES, INC.	1700 EAST GRAND

A AND A WASTE ROLL OFF SERVICES, INC. (Continued) **S114724448**

AVENUE
2004 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
2003 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
2002 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE
2001 A AND A WASTE ROLL OFF SERVICES, INC. 1700 EAST GRAND AVENUE

P68 **NORTHROP CORP AIRCRAFT DIV** **RCRA-TSDF** **1000409965**
NNE **2031 E MARIPOSA AVE** **RCRA NonGen / NLR** **CAD009687336**
1/4-1/2 **EL SEGUNDO, CA 90245** **FINDS**
0.335 mi. **ECHO**
1769 ft. **Site 1 of 2 in cluster P**

Relative:
Lower

Actual:
107 ft.

RCRA-TSDF:

Date form received by agency:	09/24/1998
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2031 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009687336
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	MARY ELAINE PALACIO
Contact address:	ONE HORNET WY EL SEGUNDO, CA 902452804
Contact country:	US
Contact telephone:	(310) 332-4114
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(213) 970-4704
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	(213) 970-4704
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 09/09/1993
- Site name: NORTHROP CORP AIRCRAFT DIV
- Classification: Not a generator, verified

Corrective Action Summary:
- Event date: 01/01/1990
- Event: CA029ST

- Event date: 04/30/1990
- Event: CA049PA

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 06/26/1987
- Date achieved compliance: 09/15/1988
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 09/15/1988
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

- Regulation violated: Not reported
- Area of violation: TSD - Closure/Post-Closure
- Date violation determined: 01/13/1987
- Date achieved compliance: 08/03/1987
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 02/10/1987
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/26/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 01/13/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/03/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110008261139

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000409965
Registry ID: 110008261139
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110008261139

P69 **MATTEL TOYS INC** **RCRA-LQG** **1000472823**
NNE **2031 MARIPOSA** **FINDS** **CAD982433401**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HWP**
0.335 mi. **CA NPDES**
1769 ft. **Site 2 of 2 in cluster P** **CA WDS**
ECHO

Relative:
Lower

RCRA-LQG:
Date form received by agency: 02/24/2010
Actual:
107 ft.
Facility name: MATTELL INC.
Facility address: 2031 MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD982433401
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: NAVREET UPPAL
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: (310) 252-3526
Contact email: NAVREET.UPPAL@MATTEL.COM
EPA Region: 09
Classification: Large Quantity Generator

MATTEL TOYS INC (Continued) **1000472823**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: KILROY INDUSTRIES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: (310) 252-2000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1991
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: (310) 252-2000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1991
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

MATTEL TOYS INC (Continued) **1000472823**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

MATTEL TOYS INC (Continued) **1000472823**

Historical Generators:
Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Small Quantity Generator

Date form received by agency: 02/20/2002
Site name: MATTEL, INC. DESIGN CENTER
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 726
. Waste name: 726

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

MATTEL TOYS INC (Continued) **1000472823**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: MATTEL DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: MATTEL, INC.
Classification: Large Quantity Generator

Date form received by agency: 12/05/1990
Site name: MATTEL TOYS DESIGN CENTER
Classification: Small Quantity Generator

Violation Status: No violations found

MATTEL TOYS INC (Continued) **1000472823**

FINDS:

Registry ID: 110000784982

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HWP:

EPA Id:	CAD009687336
Cleanup Status:	PROTECTIVE FILER
Latitude:	34.03808
Longitude:	-118.2983
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	53
Senate District:	24
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	07/21/1988

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	06/25/1984

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	188987
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I002527

MATTEL TOYS INC (Continued) **1000472823**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	4/1/1992
STATUS CODE NAME:	Active
STATUS DATE:	4/1/1992
PLACE SIZE:	9
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Navreet Uppal
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	310-252-3526
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	navreet.uppal@mattel.com
OPERATOR NAME:	Mattel Toys
OPERATOR ADDRESS:	333 Continental Blvd
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Navreet Uppal
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-252-3526
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	navreet.uppal@mattel.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-252-3570
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Pedro Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
SECONDARY SIC:	3942-Dolls and Stuffed Toys
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	188987
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I002527
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3102523570
Facility Contact:	TOM BOXWELL
Agency Name:	MATTEL TOYS INC.
Agency Address:	333 Continental Blvd.
Agency City,St,Zip:	El Segundo 902455012
Agency Contact:	TOM BOXWELL
Agency Telephone:	3102523570
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

ECHO:
Envid: 1000472823
Registry ID: 110000784982
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000784982

---

70 SW 1/4-1/2 0.349 mi. 1842 ft.

Relative: Lower

Actual: 96 ft.

WEST COAST BARRIER PROJ 9
EL SEGUNDO BLVD
EL SEGUNDO, CA 90245

CA SLIC **S105640109**
CA CHMIRS **N/A**
CA WDS

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/30/2002
Global Id: SL599992902
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.9164
Longitude: -118.377551
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0038B
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:
OES Incident Number: 08658
OES notification: Not reported
OES Date: 6/13/1995
OES Time: 07:39:15 PM
Date Completed: **Not reported**
Property Use: Not reported

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	NONE REQUIRED
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	WEST BASIN WATER RECLAMATION DIST
Incident Date:	1815 6/13/95
Admin Agency:	Not reported
Amount:	500 GAL
Contained:	NO
Site Type:	RD
E Date:	Not reported
Substance:	RECLAIMED WATER
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

WEST COAST BARRIER PROJ 9 (Continued) **S105640109**

Comments: Not reported
Description: SUMP OVERFLOWED

WDS:
Facility ID: Los Angeles River 196000415
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAG994005 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 6264586303
Facility Contact: Ed Gerlits
Agency Name: LA CO DEPT OF PUBLIC WORKS
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: County
SIC Code: 9999
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: MISCEL
Waste Type2: Not reported
Waste2: Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: 0
Complexity: Not reported

Q71 **ALLIED SALES & SALVAGE** **SEMS-ARCHIVE** **1003878356**
SSW **160 S SEPULVEDA BLVD** **CAD063821789**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.355 mi.
1875 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
110 ft.

SEMS-ARCHIVE:
Site ID: 901503
EPA ID: CAD063821789
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

ALLIED SALES & SALVAGE (Continued) **1003878356**

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0901503
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13289942.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295537.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301395.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: R & S SHERWOOD (OWNER)
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: 05/01/86
Date Completed: 01/01/87
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/01/88
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: / /
Date Completed: 06/01/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: DISCOVERY
Date Started: / /
Date Completed: 05/01/86
Priority Level: Not reported

Q72 **ALLIED SALES & SALVAGE** **CA ENVIROSTOR** **S105023637**
SSW **160 SOUTH SEPULVEDA BOULEVARD** **CA HIST CORTESE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.355 mi.
1875 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
110 ft.

ENVIROSTOR:
Facility ID: 19500011
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported

ALLIED SALES & SALVAGE (Continued) **S105023637**

NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91447
Longitude:	-118.3954
APN:	4138014016
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138014016
Alias Type:	APN
Alias Name:	CAD063821789
Alias Type:	EPA Identification Number
Alias Name:	19500011
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/16/1988
Comments:	Site Screening Done: DHS will concur with EPA recommendation of NFA due to the minimal quantity of oil disposed of and the fact that the stained areas have been cleaned up. Site will be referred to Los Angeles County Health Dept. Site removed from Cortese.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/02/1987
Comments:	Site Screening Done: Evidence of a small amount of onsite disposal found.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	05/13/1981
Comments:	Facility identified via Abandoned Chemical Waste Disposal Survey. Questionnaire received. Years of Operation: 1957 to present.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported

ALLIED SALES & SALVAGE (Continued) **S105023637**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19500011

73
WNW
1/4-1/2
0.370 mi.
1953 ft.

Relative:
Higher

Actual:
120 ft.

INTERNATIONAL RECTIFIER **1000216983**
233 KANSAS STREET
EL SEGUNDO, CA 90245

SEMS-ARCHIVE **1000216983**
RCRA-LQG **CAD076208313**
CA LUST
CA SWEEPS UST
US AIRS
FINDS
CA HIST CORTESE
WI MANIFEST
ECHO

SEMS-ARCHIVE:
Site ID: 905276
EPA ID: CAD076208313
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0905276
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285338.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290933.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296791.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 08/23/95
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 09/24/96

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/24/96
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-LQG:
Date form received by agency: 04/17/2008
Facility name: INTERNATIONAL RECTIFIER
Facility address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
EPA ID: CAD076208313
Contact: DIANE E NIX
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (310) 726-8291
Contact email: DNIX1@IRF.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: INTERNATIONAL RECTFIER
Owner/operator address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1948
Owner/Op end date: Not reported

Owner/operator name: INTERNATIONAL RECTIFIER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1948
Owner/Op end date: Not reported

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U219
. Waste name: THIOUREA

Historical Generators:
Date form received by agency: 04/06/2007
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: D011

INTERNATIONAL RECTIFIER (Continued) **1000216983**

. Waste name: SILVER

Date form received by agency: 02/28/2006
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: 212
. Waste name: 212

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 03/01/2004
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 03/01/2002
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

INTERNATIONAL RECTIFIER (Continued) **1000216983**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Date form received by agency: 10/12/2000
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: INTERNATIONAL RECTIFIER CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/1996
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 02/14/1992
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Violation Status: No violations found

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130489
Status: Remedial action (cleanup) Underway
Substance: Waste Water
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701959
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: CASPIAN
Enforcement Type: Not reported

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Date Leak Discovered:	2/27/1990	
Date Leak First Reported:		6/6/1990
Date Leak Record Entered:	6/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/27/1990	
Date Case Last Changed on Database:		6/6/1990
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	Other Source	
Operator:	OLD CASE #960119-01	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15746.384384197494096821245649
Source of Cleanup Funding:		Other Source
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		2/27/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	PRINT L.A. INC.	
RP Address:	1520 16TH ST., W., LONG BEACH, 90813	
Program:	LUST	
Lat/Long:	33.7870927 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Status:	Active
Comp Number:	10118
Number:	9
Board Of Equalization:	44-008713
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010118-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN

INTERNATIONAL RECTIFIER (Continued) **1000216983**

STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1978-01-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700956
Facility Registry ID:	110064159119
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1978-09-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700956
Facility Registry ID:	110064159119
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1979-08-02 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700956
Facility Registry ID:	110064159119
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1980-08-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700956
Facility Registry ID:	110064159119
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1981-02-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CASCA0000603700956

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

INTERNATIONAL RECTIFIER (Continued) **1000216983**

Registry ID: 110064159119

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR MINOR

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130489

WI MANIFEST:

Year:	2006
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Year:	2005
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

INTERNATIONAL RECTIFIER (Continued) **1000216983**

ECHO:
Envid: 1000216983
Registry ID: 110064159119
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110064159119

R74 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571438**
ESE **200 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.375 mi.
1978 ft. **Site 1 of 3 in cluster R**

Relative:
Lower

Actual:
103 ft.

RGA LUST:

2012	AMPEX CORPORATION SITE	200 NASH ST N
2011	AMPEX CORPORATION SITE	200 NASH ST N
2010	AMPEX CORPORATION SITE	200 NASH ST N
2009	AMPEX CORPORATION SITE	200 NASH ST N
2008	AMPEX CORPORATION SITE	200 NASH ST N
2007	AMPEX CORPORATION SITE	200 NASH ST N
2006	AMPEX CORPORATION SITE	200 NASH ST N
2005	AMPEX CORPORATION SITE	200 NASH ST N
2003	AMPEX CORPORATION SITE	200 NASH ST N
2002	AMPEX CORPORATION SITE	200 NASH ST N
2001	AMPEX CORPORATION SITE	200 NASH ST N
2000	AMPEX CORPORATION SITE	200 NASH ST N
1998	AMPEX CORPORATION SITE	200 NASH ST N

R75 **AMPEX CORP** **CA LUST** **1000225587**
ESE **200 N NASH ST** **CA ENF** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.375 mi. **CA LOS ANGELES CO. HMS**
1978 ft. **Site 2 of 3 in cluster R**

Relative:
Lower

Actual:
103 ft.

LUST:
Region: STATE
Global Id: T0603705447
Latitude: 33.917679
Longitude: -118.386245
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/21/1998
Lead Agency: EL SEGUNDO, CITY OF
Case Worker: Not reported
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-24347
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603705447
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO

AMPEX CORP (Continued) **1000225587**

Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603705447
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705447
Status: Completed - Case Closed
Status Date: 05/21/1998

Global Id: T0603705447
Status: Open - Case Begin Date
Status Date: 01/01/1986

Global Id: T0603705447
Status: Open - Site Assessment
Status Date: 01/01/1986

Regulatory Activities:
Global Id: T0603705447
Action Type: ENFORCEMENT
Date: 04/02/2008
Action: * No Action

Global Id: T0603705447
Action Type: Other
Date: 01/01/1986
Action: Leak Reported

Global Id: T0603705447
Action Type: REMEDIATION
Date: 04/02/2008
Action: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-24347
Status: Leak being confirmed
Substance: Methylene Chloride
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported

AMPEX CORP (Continued) **1000225587**

Global ID:	T0603705447	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/1/1986
Date Leak Record Entered:	1/23/1996	
Date Confirmation Began:	1/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/18/1996
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	OLD CASE#90240043	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6255.07641072464880777682187 54
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AMPEX CORPORATION	
RP Address:	401 BROADWAY, MS 1-40, REDWOOD CITY 94063-3199	
Program:	LUST	
Lat/Long:	33.9180117 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	NON-FUEL SOIL CONTAMINATION CASE. MAGIC BOOK / LOP CASE FILES AGENCY FOR AMPEX CORP.	NOT IN DPW LA CO DPW IS THE LEAD

ENF:

Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported

AMPEX CORP (Continued) **1000225587**

Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported

AMPEX CORP (Continued) **1000225587**

Direction/Voice:	Passive
Enforcement Id(EID):	238001
Region:	4
Order / Resolution Number:	SEL
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/23/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/23/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 8/23/00 for failure to pay AGT fee.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	4
Facility Id:	223909
Agency Name:	Exodus Communications
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.918104
Place Longitude:	-118.387415
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

AMPEX CORP (Continued) **1000225587**

Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	4CUPA000152
Reg Measure Id:	167186
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	236909
Region:	4
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/05/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/05/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 4CUPA000152
Description:	Notice of Noncompliance sent 6/5/01 for failure to pay fees.
	Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

AMPEX CORP (Continued) **1000225587**

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-24347

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 017724-024347
Facility Type: 1
Facility Status: Closed
Area: 2N
Permit Number: 000187070
Permit Status: Closed

R76 **AMPEX CORPORATION SITE** **CA RGA LUST** **S114571437**
ESE **198 NASH ST N** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.376 mi.
1986 ft. **Site 3 of 3 in cluster R**

Relative:
Lower

Actual:
103 ft.

RGA LUST:

1997	AMPEX CORPORATION SITE	198 NASH ST N
1996	AMPEX CORPORATION SITE	198 NASH ST N

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77 **NORTHROP CORP AIRCRAFT DIV** **SEMS-ARCHIVE** **1000409954**
NE **2043 E MARIPOSA AVENUE** **CORRACTS** **CAD000627216**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.378 mi. **RCRA NonGen / NLR**
1996 ft. **CA EMI**
CA LOS ANGELES CO. HMS

Relative:
Lower
CA HWP

Actual:
107 ft.

SEMS-ARCHIVE:
Site ID: 900299
EPA ID: CAD000627216
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0900299
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13286567.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292162.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298020.00000

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/06/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/06/90
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 05/08/90
Priority Level: Not reported

CORRACTS:

EPA ID: CAD000627216
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900606
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/10/1993
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: (213) 970-4704
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/28/1992
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 01/01/1990
Event: CA029ST

Event date: 06/06/1990
Event: CA074LO

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Event date: 06/06/1990
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 06/06/1990
Event: CA049PA

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 05/18/1989
Date achieved compliance: 08/17/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/23/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 05/18/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 08/17/1989
Evaluation lead agency: State

Evaluation date: 07/10/1987

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/10/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	46825
Air District Name:	SC
SIC Code:	3761
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	46825
Air District Name:	SC
SIC Code:	3812
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES CO. HMS:

Region:	LA
Permit Category:	T
Facility Id:	015796-016908
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	0000T6346
Permit Status:	Closed

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

HWP:
EPA Id: CAD000627216
Cleanup Status: CLOSED
Latitude: 33.92344
Longitude: -118.3904
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/23/1988

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/31/1989

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

Closure:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

S78 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709511**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.380 mi.
2004 ft. **Site 1 of 4 in cluster S**

Relative:
Lower

Actual:
102 ft.

RGA LUST:

2012	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2011	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2010	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2009	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2008	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2007	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2006	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2005	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2003	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2002	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2001	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
2000	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1998	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1997	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1996	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST
1995	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST

S79 **UNITED AIRLINE FLIGHT KITCHEN** **CA RGA LUST** **S114709510**
ENE **444 NASH ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.380 mi.
2004 ft. **Site 2 of 4 in cluster S**

Relative:
Lower

Actual:
102 ft.

RGA LUST:

1994	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST.
1993	UNITED AIRLINE FLIGHT KITCHEN	444 NASH ST.

S80 **UNITED AIRLINE FLIGHT KITCHEN** **CA LUST** **S102439619**
ENE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.384 mi.
2029 ft. **Site 3 of 4 in cluster S**

Relative:
Lower

Actual:
101 ft.

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-12973
Status:	Case Closed
Substance:	Diesel
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603704019
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19013
Cross Street:	EL SEGUNDO BLVD.
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered:	12/17/1990

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S102439619**

Date Leak First Reported:		1/23/1991
Date Leak Record Entered:	2/8/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	12/17/1990	
Date Case Last Changed on Database:		6/30/1992
Date the Case was Closed:		7/25/1991
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HARRISON, WALT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6476.3069257802008242951636235
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		12/17/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED AIRLINES	
RP Address:	6066 AVION DR., LOS ANGELES, 90045	
Program:	LUST	
Lat/Long:	33.9215296 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #020891-13	

S81 **UNITED AIRLINES INC (FOOD SERV** **CA LUST** **S103985741**
ENE **444 NASH ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90009** **CA EMI**
0.384 mi. **CA HIST CORTESE**
2029 ft. **Site 4 of 4 in cluster S** **CA NPDES**

Relative:
Lower

Actual:
101 ft.

LUST:

Region:	STATE
Global Id:	T0603704019
Latitude:	33.921778
Longitude:	-118.38632
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/25/1991
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT

UNITED AIRLINES INC (FOOD SERV (Continued) **S103985741**

Local Agency: EL SEGUNDO, CITY OF
RB Case Number: I-12973
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704019
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704019
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603704019
Status: Completed - Case Closed
Status Date: 07/25/1991

Global Id: T0603704019
Status: Open - Case Begin Date
Status Date: 12/17/1990

Global Id: T0603704019
Status: Open - Remediation
Status Date: 12/17/1990

Regulatory Activities:
Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Discovery

Global Id: T0603704019
Action Type: Other
Date: 01/23/1991
Action: Leak Reported

Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Stopped

UNITED AIRLINES INC (FOOD SERV (Continued) **S103985741**

SWEEPS UST:

Status:	Not reported
Comp Number:	12973
Number:	Not reported
Board Of Equalization:	44-009989
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-012973-000001
Tank Status:	Not reported
Capacity:	25000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	1

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	16256
Air District Name:	SC
SIC Code:	2099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-12973

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	421867
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C362440
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

UNITED AIRLINES INC (FOOD SERV (Continued) **S103985741**

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	11/15/2011
PROCESSED DATE:	11/16/2011
STATUS CODE NAME:	Active
STATUS DATE:	11/16/2011
PLACE SIZE:	6.1
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Addison Kerr
FACILITY CONTACT TITLE:	Project Engineer
FACILITY CONTACT PHONE:	678-438-8084
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	akerr@holder.com
OPERATOR NAME:	T5 @ Los Angeles LLC
OPERATOR ADDRESS:	3565 Piedmont Road, Suite 318
OPERATOR CITY:	Atlanta
OPERATOR STATE:	Georgia
OPERATOR ZIP:	30305
OPERATOR CONTACT NAME:	Jimmy Bailey
OPERATOR CONTACT TITLE:	Executive Vice President
OPERATOR CONTACT PHONE:	404-239-7143
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	jbailey@t5datacenters.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	T5 at Los Angeles LLC
DEVELOPER ADDRESS:	3565 Piedmont Road Suite 318
DEVELOPER CITY:	Atlanta
DEVELOPER STATE:	California
DEVELOPER ZIP:	30305
DEVELOPER CONTACT NAME:	Jimmy Bailey
DEVELOPER CONTACT TITLE:	Executive Vice President
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	678-438-8084
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported

UNITED AIRLINES INC (FOOD SERV (Continued) **S103985741**

CERTIFIER NAME:	Jimmy Bailey
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	15-NOV-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	4
Regulatory Measure Id:	421867
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C362440
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/16/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	T5 at Los Angeles LLC
Discharge Address:	3565 Piedmont Road Suite 318
Discharge City:	Atlanta
Discharge State:	Georgia
Discharge Zip:	30305
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported

UNITED AIRLINES INC (FOOD SERV (Continued) **S103985741**

EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

82
NNW
1/4-1/2
0.391 mi.
2066 ft.

UNOCAL #5866
603 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S102440077**
CA HIST CORTESE **N/A**

Relative:
Higher

Actual:
128 ft.

LUST:

Region:	STATE
Global Id:	T0603703539
Latitude:	33.923772
Longitude:	-118.3963763
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/12/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	I-09969
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603703539
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET

UNOCAL #5866 (Continued) **S102440077**

City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603703539
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603703539
Status: Completed - Case Closed
Status Date: 07/12/1996

Global Id: T0603703539
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0603703539
Status: Open - Site Assessment
Status Date: 12/04/1990

Regulatory Activities:
Global Id: T0603703539
Action Type: Other
Date: 12/04/1990
Action: Leak Reported

Global Id: T0603703539
Action Type: Other
Date: 11/27/1990
Action: Leak Discovery

Global Id: T0603703539
Action Type: Other
Date: 11/27/1990
Action: Leak Stopped

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09969
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703539
W Global ID: Not reported

UNOCAL #5866 (Continued) **S102440077**

Staff:	UNK	
Local Agency:	19013	
Cross Street:	MARIPOSA	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/4/1990
Date Leak Record Entered:	1/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		7/12/1996
Date the Case was Closed:		7/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MASDI, JOLIL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9366.077673363444925489930952
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/4/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNOCAL CORP	
RP Address:	376 S VALENCIA AVE, BREA CA 92621	
Program:	LUST	
Lat/Long:	33.9235634 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	ROUTINE TANK REPLACEMENT. APP. 100 CU YARDS OF CONTAMINATED SOIL EXCAVATED TO BE TREATED OR HAULED. TANKS IN SOLID CONDITION.	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-09969

T83 **BLACKMORE ASSOCIATES** **CA RGA LUST** **S114583637**
North **700 LAIRPORT ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.417 mi.
2203 ft. **Site 1 of 2 in cluster T**

Relative: RGA LUST:
Lower

2012	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2011	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2010	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2009	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2008	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2007	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2006	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2005	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2003	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2002	BLACKMORE ASSOCIATES	700 LAIRPORT ST
2001	BLACKMORE ASSOCIATES	700 LAIRPORT ST

Actual:
108 ft.

T84 **BLACKMORE ASSOCIATES** **CA LUST** **S102056743**
North **700 LAIRPORT ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.424 mi.
2239 ft. **Site 2 of 2 in cluster T**

Relative: LUST:
Lower

Region:	STATE
Global Id:	T0603705083
Latitude:	33.9050879
Longitude:	-118.3867277
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/26/2006
Lead Agency:	EL SEGUNDO, CITY OF
Case Worker:	SHT
Local Agency:	EL SEGUNDO, CITY OF
RB Case Number:	R-11949
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Actual:
108 ft.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603705083
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705083
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200

BLACKMORE ASSOCIATES (Continued) **S102056743**

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0603705083
Status: Completed - Case Closed
Status Date: 07/26/2006

Global Id: T0603705083
Status: Open - Case Begin Date
Status Date: 06/19/1986

Global Id: T0603705083
Status: Open - Site Assessment
Status Date: 06/19/1986

Regulatory Activities:
Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Discovery

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Reported

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Stopped

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-11949
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705083
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 6/19/1986
Date Leak First Reported: 6/19/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 6/19/1986
Date Leak Stopped: 6/19/1986

BLACKMORE ASSOCIATES (Continued) **S102056743**

Date Case Last Changed on Database: 8/19/1987
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: BROWN, MIKE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2119.714190401390709716255708 8
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: BLACKMORE ASSOCIATES
RP Address: 700 LAIRPORT STREET, EL SEGUNDO, CA
Program: LUST
Lat/Long: 33.9050879 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Status: Active
Comp Number: 11949
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 011881-011949
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000182656
Permit Status: Closed

U85 **INT RECTIFIER CORP EL SEGUNDO** **CA ENVIROSTOR** **U002287919**
West **233 KANSAS ST** **CA LUST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA SLIC**
0.424 mi. **CA HIST CORTESE**
2241 ft. **Site 1 of 5 in cluster U** **CA LOS ANGELES CO. HMS**
CA NPDES
Relative: **CA WDS**
Higher

ENVIROSTOR:
Actual: **122 ft.**
Facility ID: 19360533
Status: Refer: RWQCB
Status Date: 01/15/2002
Site Code: 300569
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91866
Longitude: -118.4007
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * ACID SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: INTERNATIONAL RECTIFIER
Alias Type: Alternate Name
Alias Name: CAD076208313
Alias Type: EPA Identification Number
Alias Name: 110000474479
Alias Type: EPA (FRS #)
Alias Name: 300569
Alias Type: Project Code (Site Code)
Alias Name: 19360533
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/24/1996
Comments: Preliminary Assessment completed under U.S. EPA grant. Site is no further assessment for U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/25/1995
Comments: The Department received a hazardous substace release report. The site had a waste leak from a plating line and acidic aqueous waste left metal contamination in the soil. Due to evidence of contamination, the Department recommends a PEA. The Department notified the RP that a PEA be conducted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15781
Status: Preliminary site assessment underway
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704349
W Global ID: Not reported
Staff: SLC
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Not reported
Date Leak Discovered: 6/29/1990
Date Leak First Reported: 7/25/1990
Date Leak Record Entered: 9/26/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 6/29/1990
Date Case Last Changed on Database: 5/2/1994
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: NASSIF, GERALD
Water System: Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

Well Name:	Not reported
Approx. Dist To Production Well (ft):	8464.971975309280812962810462
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	7/25/1990
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	INTERNATIONAL RECTIFIER CORP.
RP Address:	233 KANSAS ST., EL SEGUNDO, 90245
Program:	SLIC
Lat/Long:	33.9182275 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	file missing, transfered from MSH to RI

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/27/1997
Global Id:	SL184571440
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.917719
Longitude:	-118.399635
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0608
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-15781

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

LOS ANGELES CO. HMS:
- Region: LA
- Permit Category: T
- Facility Id: 014941-015781
- Facility Type: 1
- Facility Status: Closed
- Area: 2N
- Permit Number: 000167695
- Permit Status: Closed

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	188760
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	4 19I001141
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	3/25/1992
STATUS CODE NAME:	Active
STATUS DATE:	3/25/1992
PLACE SIZE:	10
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	CYNTHIA Velez
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	3107268283
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	International Rectifier Corp
OPERATOR ADDRESS:	233 Kansas St
OPERATOR CITY:	El Segundo
OPERATOR STATE:	California
OPERATOR ZIP:	90245
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	310-726-8283
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3674-Semiconductors and Related Devices
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	188760
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19I001141
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/09/2014
Discharge Name:	International Rectifier
Discharge Address:	101 N Sepulveda Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	4 19I001141
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

INT RECTIFIER CORP EL SEGUNDO (Continued) **U002287919**

	pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3107268283
Facility Contact:	CYNTHIA VELEZ
Agency Name:	INT RECTIFIER CORP
Agency Address:	233 Kansas St
Agency City,St,Zip:	El Segundo 902454316
Agency Contact:	CORPORATION
Agency Telephone:	3103223331
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

U86 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635477**
West **233 KANSAS ST.** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.424 mi.
2241 ft. **Site 2 of 5 in cluster U**

Relative:
Higher

Actual:
122 ft.

RGA LUST:

1994	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.
1993	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST.

U87 **INTERNATIONAL RECTIFIER CORP.** **CA RGA LUST** **S114635478**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.424 mi.
2241 ft. **Site 3 of 5 in cluster U**

Relative:
Higher

RGA LUST:

1995	INTERNATIONAL RECTIFIER CORP.	233 KANSAS ST

Actual:
122 ft.

U88 **INTERNATIONAL RECTIFIER CORP** **CA RGA LUST** **S114635479**
West **233 KANSAS ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.424 mi.
2241 ft. **Site 4 of 5 in cluster U**

Relative:
Higher

RGA LUST:

2007	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2006	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2005	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2003	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2002	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2001	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
2000	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1998	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1997	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST
1996	INTERNATIONAL RECTIFIER CORP	233 KANSAS ST

Actual:
122 ft.

U89 **INTERNATIONAL RECTIFIER CORP.** **CA SLIC** **1005976343**
West **233 KANSAS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.424 mi.
2241 ft. **Site 5 of 5 in cluster U**

Relative:
Higher

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0608
Substance:	Not reported
Staff:	PR

Actual:
122 ft.

V90 **DEVLIN PHARMACEUTICALS, INC** **CA ENVIROSTOR** **S102860858**
NNW **700 NORTH SEPULVEDA BLVD** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.427 mi.
2253 ft. **Site 1 of 2 in cluster V**

Relative:
Higher

ENVIROSTOR:

Facility ID:	19280313
Status:	No Further Action
Status Date:	12/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED

Actual:
116 ft.

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92527
Longitude: -118.3963
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: TPH-gas
Confirmed COC: 30025-NO
Potential Description: SOIL
Alias Name: BERGEN-BRUNSWIG
Alias Type: Alternate Name
Alias Name: HUGHES AIRCRAFT COMPANY
Alias Type: Alternate Name
Alias Name: RABIN WINTERS CORPORATION
Alias Type: Alternate Name
Alias Name: RABIN'S PHARMACEUTICAL COMPANY
Alias Type: Alternate Name
Alias Name: CAD981373848
Alias Type: EPA Identification Number
Alias Name: 19280313
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: CONTACT W/ LICHTEN,HUGHES, & RABIN,OWNER - (DEVLIN)MFG OF PHARMACEUTL & VITAMINS, (RABIN'S)MFG OF PHARMACEUTIC & PROD OF ROSIN LIGHTER FLUID, (BERGEN) MFG OF PHARMACEUTICALS, (HUGHES) STORAGE OF OFFICE EQUIP. IN 1982 8 U/G TANKS USED BY RABINS WERE REMOVED BY RABIN W/O REGULATORY. SUBMIT TO EPA ENFORCEMENT(OTHER) CO ENGR. CLOSED CLARIFIER ON 10/29/85 PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/08/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/03/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIR RECIEVED IDENTIFIED DISCH METHOD & WASTE TYPE

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V91 **DEVLIN PHARMACEUTICALS INC** **SEMS-ARCHIVE** **1003878845**
NNW **700 N SEPULVEDA BLVD** **CAD981373848**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.427 mi.
2253 ft. **Site 2 of 2 in cluster V**

Relative:
Higher

Actual:
116 ft.

SEMS-ARCHIVE:
Site ID: 902293
EPA ID: CAD981373848
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0902293
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290184.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295779.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301637.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: HUGHES AIRCRAFT CO (CKA)
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 02/01/86
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 01/01/86
Date Completed: 05/01/86
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 02/22/89
Priority Level: Not reported

DEVLIN PHARMACEUTICALS INC (Continued) **1003878845**

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 02/22/89
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

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92
NE
1/4-1/2
0.453 mi.
2393 ft.

HILTON GARDEN INN
MARIPOSA AVENUE AND NASH STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S104156165**
CA VCP **N/A**

Relative:
Lower

Actual:
102 ft.

ENVIROSTOR:
Facility ID: 19130106
Status: No Further Action
Status Date: 09/24/1999
Site Code: 300779
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92305
Longitude: -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: * HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/24/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000
Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is

HILTON GARDEN INN (Continued) **S104156165**

necessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 19130106
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Site Code: 300779
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/24/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92305 / -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: 10009, 10097
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/24/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000

HILTON GARDEN INN (Continued) **S104156165**

Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

W93 **PILLACK PROPERTY** **CA LUST** **S104916213**
West **1410 GRAND AVE** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90245**
0.460 mi.
2430 ft. **Site 1 of 2 in cluster W**

Relative:
Higher

Actual:
132 ft.

LUST:
Region: STATE
Global Id: T0603704135
Latitude: 34.0370135
Longitude: -118.2652686
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/26/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-14091
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0603704135
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704135
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

PILLACK PROPERTY (Continued) **S104916213**

Status History:

Global Id:	T0603704135
Status:	Completed - Case Closed
Status Date:	01/26/1990
Global Id:	T0603704135
Status:	Open - Case Begin Date
Status Date:	01/26/1990

Regulatory Activities:

Global Id:	T0603704135
Action Type:	Other
Date:	01/26/1990
Action:	Leak Reported

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14091	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704135	
W Global ID:	W0607701254	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	UNOCAL - JIM SCOTT	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5591.98947487533417639747716
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported

PILLACK PROPERTY (Continued) **S104916213**

Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	RICHARD B. PILLACK
RP Address:	4315 INGLEWOOD BOULEVARD, LOS ANGELES, 90066
Program:	LUST
Lat/Long:	34.0370135 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	3901254-001GEN
Summary:	Not reported

W94 **PILLACK PROPERTY** **CA HIST CORTESE** **S105023636**
West **1410 GRAND** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.460 mi.
2430 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
132 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14091

X95 **RAYTHEON CO** **CA ENVIROSTOR** **S103983824**
NNE **2030 MAPLE AVENUE** **CA HWP** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.488 mi.
2578 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
109 ft.

ENVIROSTOR:

Facility ID:	60001344
Status:	Active
Status Date:	04/14/2015
Site Code:	300315
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	15.5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO

RAYTHEON CO (Continued) **S103983824**

Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92618
Longitude: -118.3912
APN: NONE SPECIFIED
Past Use: ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - ELECTRONIC, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, SAND BLASTING, UNKNOWN, AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC
Potential COC: Under Investigation Under Investigation
Confirmed COC: Not reported
Potential Description: UE, UE
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: 300315
Alias Type: Project Code (Site Code)
Alias Name: 60001344
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA Id: CAT080010853
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.92695
Longitude: -118.3912
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: TBD, 300315
Assembly District: 62
Senate District: 26

RAYTHEON CO (Continued) **S103983824**

Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 04/26/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/17/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

RAYTHEON CO (Continued) **S103983824**

Closure:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/1995

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/15/1992

Alias:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: TBD

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300315

X96 **HUGHES AIRCRAFT CO RADAR SYSTEM** **SEMS-ARCHIVE** **1015730700**
NNE **2060 E. IMPERIAL HWY.** **RCRA-TSDF** **CAT080010853**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-LQG**
0.488 mi. **NY MANIFEST**
2578 ft. **Site 2 of 2 in cluster X**

Relative: Lower

Actual: 109 ft.

SEMS-ARCHIVE:
Site ID: 905120
EPA ID: CAT080010853
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: RAYTHEON COMPANY
Facility address: 2030 MAPLE AVE
EL SEGUNDO, CA 90245
EPA ID: CAT080010853
Mailing address: MAPLE AVE
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: Not reported

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Contact telephone:	(310) 647-1204
Contact email:	MANJU.MOHAN@RAYTHEON.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER ST WALTHAM, MA 02451
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/17/1997
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER ST WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/17/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Historical Generators:
Date form received by agency: 03/01/2012
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 06/03/2010
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/19/2008
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/17/2006
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

. Waste code: 123
. Waste name: 123

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 461
. Waste name: 461

. Waste code: 513
. Waste name: 513

. Waste code: 551
. Waste name: 551

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/20/2004
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/21/2002
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/01/1996
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 04/07/1994
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 10/30/1992
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Amount (Lbs): 33204

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 45379

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 32794

Waste code: D011
Waste name: SILVER
Amount (Lbs): 844

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 190

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 410

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 190

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2685

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2685

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Amount (Lbs): 844

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/28/2006
Date achieved compliance: 07/21/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/03/1995
Date achieved compliance: 01/01/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 12/09/1991
Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 12/09/1991
Date achieved compliance: 01/09/1992
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/09/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/13/1988
Date achieved compliance: 05/13/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/21/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/22/1988
Date achieved compliance: 03/22/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/12/1985
Date achieved compliance: 01/01/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/12/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/09/1984
Date achieved compliance: 01/01/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/09/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/22/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/21/2006
Evaluation lead agency: Local

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/03/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 01/01/1996
Evaluation lead agency: State

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 10/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 01/09/1992
Evaluation lead agency: State

Evaluation date: 05/13/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

Evaluation date: 03/22/1988
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 03/22/1988
Evaluation lead agency: State

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Evaluation date: 03/22/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1986
Evaluation lead agency: State

Evaluation date: 05/09/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/01/1985
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: CAT080010853
Facility Status: Not reported
Location Address 1: PO BOX 92426 BLDG R23 M/S1003
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: LOS ANGELES
Location State: CA
Location Zip: 90009
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAT080010853
Mailing Name: HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Contact: HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Address 1: PO BOX 92426 BLDG R23 M/S1003
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 90009

HUGHES AIRCRAFT CO RADAR SYSTEM (Continued) **1015730700**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136478854

NY MANIFEST:

Document ID:	NYA5560263
Manifest Status:	K
seq:	Not reported
Year:	1989
Trans1 State ID:	906404
Trans2 State ID:	10213PNY
Generator Ship Date:	07/14/1989
Trans1 Recv Date:	07/14/1989
Trans2 Recv Date:	07/15/1989
TSD Site Recv Date:	08/01/1989
Part A Recv Date:	08/09/1989
Part B Recv Date:	08/09/1989
Generator EPA ID:	CAT080010853
Trans1 EPA ID:	NJD000603563
Trans2 EPA ID:	NYD980769947
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00006
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

97
ENE
1/4-1/2
0.495 mi.
2612 ft.

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
400 DULEY ROAD
EL SEGUNDO, CA 90245

CA ENVIROSTOR
CA VCP
CA NPDES

S108197287
N/A

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Facility ID:	60000905
Status:	No Further Action
Status Date:	01/07/2014
Site Code:	301386
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92215
Longitude:	-118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Lead Polychlorinated biphenyls (PCBs 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Polychlorinated biphenyls (PCBs Lead
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	04/28/2009
Comments:	Document reviewed and comments sent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2011
Comments:	Letter sent to proponent on 10/12/2011

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 60000905
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301386
Assembly: 62
Senate: 26

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 01/07/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92215 / -118.3852
APN: NONE SPECIFIED
Past Use: AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: 30013, 30018, 30026, 30027
Confirmed COC: 30018,30013
Potential Description: CSS, SOIL
Alias Name: 301386
Alias Type: Project Code (Site Code)
Alias Name: 60000905
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/28/2008
Comments: VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 04/28/2009
Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:
Npdes Number: CAS000002
Facility Status: Active
Agency Id: 0
Region: 4
Regulatory Measure Id: 459798
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19C373651
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/07/2015
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: 400 Duley Road Property LLC
Discharge Address: 2121 Rosecrans Avenue
Discharge City: El Segundo
Discharge State: California
Discharge Zip: 90245
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	369991
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C356178
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	9/2/2010
Discharge Name:	Not reported
Discharge Address:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	8/17/2009
PROCESSED DATE:	9/2/2009
STATUS CODE NAME:	Active
STATUS DATE:	10/26/2010
PLACE SIZE:	3.3
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Stu Batstone
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	949-302-6271
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	UC Regents
OPERATOR ADDRESS:	UC Berkley EH&S 1150
OPERATOR CITY:	Berkley
OPERATOR STATE:	California
OPERATOR ZIP:	94720
OPERATOR CONTACT NAME:	Brad Erickson
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-794-6122
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	State Agency
DEVELOPER NAME:	ARCADIS
DEVELOPER ADDRESS:	6872 Santa Teresa Blvd
DEVELOPER CITY:	San Jose
DEVELOPER STATE:	California
DEVELOPER ZIP:	95119
DEVELOPER CONTACT NAME:	Rebecca Lindeman
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	949-302-6271
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Y
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Troy Pfaff
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	15-OCT-10
PRIMARY SIC:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

98
NNW
1/2-1
0.585 mi.
3088 ft.

HUGHES AIRCRAFT/GILBERT
800 N. SEPULVEDA BLVD.
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S111842201**
CA VCP **N/A**

Relative:
Higher

Actual:
121 ft.

ENVIROSTOR:

Facility ID:	19370368
Status:	No Further Action
Status Date:	10/09/1996
Site Code:	300599
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92666
Longitude:	-118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Facility ID:	19370368
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.2
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Site Code:	300599
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	10/09/1996
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92666 / -118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	10003, 10009
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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99 **RADIANT SERVICES** **CA ENVIROSTOR S108217730**
West **200 NEVADA STREET** **CA VCP N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.588 mi.
3106 ft.

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Facility ID:	19130119
Status:	Inactive - Action Required
Status Date:	04/17/2006
Site Code:	301245
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Jennifer Jones
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party

RADIANT SERVICES (Continued) **S108217730**

Latitude: 33.91826
Longitude: -118.4034
APN: 4139-005-043, 4139005043
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/20/2005
Comments: DTSC approved WP for soil gas sampling to delineate VOC contamination.
Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Facility ID: 19130119
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Site Code: 301245

RADIANT SERVICES (Continued) **S108217730**

Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	Inactive - Action Required
Status Date:	04/17/2006
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91826 / -118.4034
APN:	4139-005-043, 4139005043
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	SOIL, SV, IA
Alias Name:	4139-005-043
Alias Type:	APN
Alias Name:	4139005043
Alias Type:	APN
Alias Name:	110033612749
Alias Type:	EPA (FRS #)
Alias Name:	301245
Alias Type:	Project Code (Site Code)
Alias Name:	19130119
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	10/08/2004
Comments:	The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	01/20/2005
Comments:	DTSC approved WP for soil gas sampling to delineate VOC contamination. Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

100
East
1/2-1
0.588 mi.
3106 ft.

FORT MCARTHUR — **CA BOND EXP. PLAN** — **S100833329**
200 NORTH DOUGLAS STREET, BLDG. 212 — **N/A**
SAN PEDRO, CA 90245

Relative:
Lower

Actual:
98 ft.

CA BOND EXP. PLAN:

Reponsible Party:	FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The Department will either enter into an interagency agreement with the Department of Defense or will issue an order. The Department has budgeted $15,000 for oversight/monitoring costs. DHS will seek 100 percent cost recovery for its direct costs plus staff costs and overhead related to the project. The Department of Defense is expected to fund all remedial investigation and cleanup activities.
Site Description:	The Fort McArthur site is a former nike missile base located in the White's Point area of San Pedro. The Army transferred the site to the Air Force for housing and the Air Force transferred part of the site to the City of Los Angeles for a park. Thesite is located at 25th Street and Western Avenue in San Pedro.
Hazardous Waste Desc:	Ninety-six acres of the original 561-acre complex remain under Air Force control. The remaining properties were disposed of as surplus. An initial assessment study was performed on the active ninety-six acres of Fort McArthur. Nine acres of potential contamination were identified. Only two areas are recommended by the Air Force for further site characterization. Released wastes include pesticides and battery acids.
Threat To Public Health & Env:	Residues of hazardous wastes in the soil are the only identified environmental threat. Ground water is intruded by seawater and is unsuitable at this time for use as a drinking water supply. There is no known exposure at this time.
Site Activity Status:	The installation restoration program (IRP) has been initiated at this base. Currently, the program is in the operations/remedial action phase of the mitigation process.

101
East
1/2-1
0.591 mi.
3118 ft.

201 N. DOUGLAS PROPERTY — **CA ENVIROSTOR** — **S108200735**
201 N. DOUGLAS STREET — **CA SCH** — **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
97 ft.

ENVIROSTOR:

Facility ID:	60001802
Status:	Active
Status Date:	10/04/2012
Site Code:	304642
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Funding: School District
Latitude: 33.91887
Longitude: -118.3843
APN: 4138-003-041
Past Use: OIL FIELD, RESEARCH - AEROSPACE
Potential COC: Methane Hydrogen sulfide
Confirmed COC: Methane 30330-NO
Potential Description: SV
Alias Name: Wiseburn High School
Alias Type: Alternate Name
Alias Name: 4138-003-041
Alias Type: APN
Alias Name: 304642
Alias Type: Project Code (Site Code)
Alias Name: 60001802
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2017
Future Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2018
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Facility ID:	60001802
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Christine Chiu
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304642
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane, Hydrogen sulfide
Confirmed COC:	Methane, 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	08/20/2014
Comments:	On August 20, 2014, DTSC received the SCA Amendment which was fully

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Comments:	DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	03/06/2014
Comments:	DTSC had no comments on the CEQA document.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Work Notice
Completed Date:	08/03/2015
Comments:	The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	10/07/2014
Comments:	DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/09/2015
Comments:	Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2017
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2018
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Y102 **EL SEGUNDO STORAGE ANNEX** **CA ENVIROSTOR** **S107736275**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.708 mi.
3737 ft. **Site 1 of 2 in cluster Y**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:

Facility ID:	80000076
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F531700
Alias Type:	Federal Facility ID
Alias Name:	J09CA0113
Alias Type:	INPR
Alias Name:	80000076
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Y103 **NWRIP DOD #26** **CA ENVIROSTOR** **S107736934**
NNW **N/A**
1/2-1 **EL SEGUNDO, CA**
0.708 mi.
3737 ft. **Site 2 of 2 in cluster Y**

Relative:
Higher

Actual:
130 ft.

ENVIROSTOR:

Facility ID:	80000638
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F686900
Alias Type:	Federal Facility ID
Alias Name:	J09CA1029
Alias Type:	INPR
Alias Name:	80000638
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

104 **NORTH AMERICAN AIRCRAFT** **CA ENVIROSTOR** **S107736912**
NNE **N/A**
1/2-1 **INGLEWOOD, CA**
0.727 mi.
3837 ft.

Relative:
Lower

Actual:
104 ft.

ENVIROSTOR:

Facility ID:	80000838
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3888
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F995900
Alias Type:	Federal Facility ID
Alias Name:	J09CA7136
Alias Type:	INPR
Alias Name:	80000838
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
Facility ID:	80000839
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93111
Longitude:	-118.3875
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F996000
Alias Type:	Federal Facility ID
Alias Name:	J09CA7137
Alias Type:	INPR
Alias Name:	80000839
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	10/07/1993
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Z105 **THE BOEING COMPANY** **SEMS-ARCHIVE** **1000240982**
North **1920 E. IMPERIAL HWY** **CORRACTS** **CAD060897063**
1/2-1 **EL SEGUNDO, CA** **RCRA-TSDF**
0.763 mi. **RCRA-LQG**
4030 ft. **Site 1 of 2 in cluster Z** **CA SWEEPS UST**
US FIN ASSUR
Relative: **2020 COR ACTION**
Lower **CA LOS ANGELES CO. HMS**
CA HWP
Actual: **CA ICE**
106 ft.

THE BOEING COMPANY (Continued) **1000240982**

SEMS-ARCHIVE:
Site ID: 903305
EPA ID: CAD060897063
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903305
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290078.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295673.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301531.00000
Person ID: 13004003.00000

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 03/08/91
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 08/24/90
Priority Level: Not reported

CORRACTS:

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130613
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: 20100921
Schedule end date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920814
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20160419
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: 20160424
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100921
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: 20100921
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20130624
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: 20130608
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910227
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 33421
Telephone Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: THE BOEING COMPANY

THE BOEING COMPANY (Continued) **1000240982**

Facility address:	1920 E. IMPERIAL HWY EL SEGUNDO, CA 90245
EPA ID:	CAD060897063
Mailing address:	PO BOX 92919 W/S25/D581 LOS ANGELES, CA 90009
Contact:	JERROD NEWLANDER
Contact address:	PO BOX 92919 W/S25/D581 LOS ANGELES, CA 90009
Contact country:	Not reported
Contact telephone:	(310) 416-5680
Contact email:	JERROD.J.NEWLANDER@BOEING.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	BOEING SATELLITE SYSTEMS INC
Owner/operator address:	P O BOX 92919 LOS ANGELES, CA 90009
Owner/operator country:	Not reported
Owner/operator telephone:	(310) 416-2241
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	E. IMPERIAL HWY 92919 W/S25/D581 EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	(310) 416-5680
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/06/2000
Owner/Op end date:	Not reported
Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private

THE BOEING COMPANY (Continued) **1000240982**

Owner/Operator Type: Operator
Owner/Op start date: 10/06/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

Historical Generators:
Date form received by agency: 12/19/2012
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

THE BOEING COMPANY (Continued) **1000240982**

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

Date form received by agency: 08/21/2012
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 261
. Waste name: 261

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 726
. Waste name: 726

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

THE BOEING COMPANY (Continued) **1000240982**

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

Date form received by agency: 06/22/2010
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 513
. Waste name: 513

. Waste code: 541
. Waste name: 541

. Waste code: 611
. Waste name: 611

. Waste code: 711
. Waste name: 711

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: TRICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Date form received by agency: 02/25/2008
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

THE BOEING COMPANY (Continued) **1000240982**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 02/23/2006
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 711
. Waste name: 711

. Waste code: 723
. Waste name: 723

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

Date form received by agency: 02/27/2004
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Date form received by agency: 03/01/2002
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/16/2000
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

THE BOEING COMPANY (Continued) **1000240982**

Date form received by agency: 10/12/2000
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1986
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 8058

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 36850

Waste code: D003

THE BOEING COMPANY (Continued) **1000240982**

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 6745

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 1942

Waste code: D008
Waste name: LEAD
Amount (Lbs): 26923

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 32

Waste code: D011
Waste name: SILVER
Amount (Lbs): 10340

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 22956

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 22938

THE BOEING COMPANY (Continued) **1000240982**

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 6559

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5980

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 114

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 114

Waste code: U133
Waste name: HYDRAZINE (R,T)
Amount (Lbs): 455

Corrective Action Summary:

Event date: 01/01/1990
Event: CA029ST

Event date: 02/27/1991
Event: CA029EP

Event date: 02/27/1991
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 02/27/1991
Event: CA049PA

Event date: 06/01/1992
Event: RFA Completed, Assessment was an RFA.

Event date: 08/14/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 08/14/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 09/21/2010
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be

THE BOEING COMPANY (Continued) **1000240982**

re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 06/13/2013
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 06/24/2013
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 04/19/2016
Event: Date For Public Notice On Proposed Remedy

Event date: Not reported
Event: CA048ST

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/2013
Date achieved compliance: 09/20/2013
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/16/2006
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/18/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/30/2004
Date achieved compliance: 04/23/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/22/1996
Date achieved compliance: 01/01/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/22/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/29/1994
Date achieved compliance: 06/01/1994
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/29/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/09/1993
Date achieved compliance: 05/19/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/15/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/10/1992
Date achieved compliance: 12/22/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/17/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/13/1990
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/26/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/24/1988
Date achieved compliance: 05/02/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7

THE BOEING COMPANY (Continued) **1000240982**

Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/24/1988
Date achieved compliance: 02/26/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/08/1988
Date achieved compliance: 05/13/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/20/2013
Evaluation lead agency: State

Evaluation date: 08/20/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/17/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/20/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/28/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 10/23/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/28/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/16/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 04/26/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/23/2007
Evaluation lead agency: State

Evaluation date: 06/23/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/01/1997
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 11/10/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/01/1994
Evaluation lead agency: State

Evaluation date: 04/09/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/19/1993
Evaluation lead agency: State

Evaluation date: 12/22/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/22/1992
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 02/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/02/1988
Evaluation lead agency: State

Evaluation date: 02/24/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: 02/26/1992
Evaluation lead agency: State

Evaluation date: 02/08/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/13/1988
Evaluation lead agency: State

SWEEPS UST:
Status: Active
Comp Number: 13534
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013534-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

US FIN ASSUR:
EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: ****0411
Cost estimate: 2000000
Face value: 2000000
Effective date: 2007-04-27 00:00:00

EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 151LCS100411
Cost estimate: 8000000
Face value: 8000000
Effective date: 2007-04-27 00:00:00

EPA ID: CAD060897063
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9
County: Not reported
Mechanism type: LETTER OF CREDIT
Mechanism ID: 151LCS100413
Cost estimate: 403000
Face value: 424000
Effective date: 2011-03-09 00:00:00

THE BOEING COMPANY (Continued) **1000240982**

2020 COR ACTION:
EPA ID: CAD060897063
Region: 9
Action: Not reported

LOS ANGELES CO. HMS:
Region: LA
Permit Category: T
Facility Id: 013223-013534
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005161T
Permit Status: Closed

HWP:
EPA Id: CAD060897063
Cleanup Status: CLOSED
Latitude: 33.93048
Longitude: -118.3946
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: MICHAEL CHOE
Supervisor: Not reported
Site Code: 300215
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 11/05/1991

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/29/2015

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 01/28/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/13/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/03/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

THE BOEING COMPANY (Continued) **1000240982**

Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 11/30/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 12/02/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/10/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 04/10/2017

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/06/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 06/02/2002

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/14/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 10/13/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/06/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 04/10/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/01/1990

Closure:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/24/1996

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/08/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN7-S34
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/15/2014

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

THE BOEING COMPANY (Continued) **1000240982**

Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 12/07/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Closure Certification - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/21/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/27/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/19/1993

Alias:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609672

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300215

ICE:
Envirostor ID: 3000044
EPA ID: CAD060897063
Site Type: INSPECTION
Facility Status: No Action

THE BOEING COMPANY (Continued) **1000240982**

Inspection:

Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	02/27/2008
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/28/2009
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/26/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	11/17/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	12/15/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	05/12/2005
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	08/20/2009
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	06/28/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	07/20/2010
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/26/2006
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	05/16/2006
Violation Class:	Minor
RTC Date:	04/23/2007
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal

THE BOEING COMPANY (Continued) **1000240982**

Action Date: 05/23/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/28/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2004
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/23/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/06/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/01/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/30/2015
Violation Class: No Violations
RTC Date: Not reported

Z106 **BOEING SATELLITE SYSTEMS INC** **CA ENVIROSTOR** **1006816013**
North **1920 E IMPERIAL HWY** **N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.763 mi.
4030 ft. **Site 2 of 2 in cluster Z**

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Facility ID:	80001440
Status:	Active
Status Date:	01/01/2008
Site Code:	300215
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	52
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Vu Nguyen
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93053
Longitude:	-118.3937
APN:	4138005044
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Freon 113
Confirmed COC:	Freon 113
Potential Description:	OTH
Alias Name:	4138005044
Alias Type:	APN
Alias Name:	CAD060897063
Alias Type:	EPA Identification Number
Alias Name:	110000609672
Alias Type:	EPA (FRS #)
Alias Name:	300215
Alias Type:	Project Code (Site Code)
Alias Name:	80001440
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	08/14/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	06/01/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 11/16/2006
Comments: Signed CACA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/24/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/24/2013
Comments: Cost estimate for 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2015
Comments: Uploaded and mailed out.

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/07/2010
Comments: Facility submitted one workplan that was approved as a final on 1/7/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 04/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 07/18/2008
Comments: This is a final addendum workplan 1 with clarifications from previous meetings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/04/2008
Comments: This workplan was approved in Sept. 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/28/2012
Comments: Approved with RFI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/19/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/08/2012
Comments: DTSC approves the HRA Report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/07/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/18/2013
Comments: Document reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comments. Results from the report will be used to recommend corrective action termination.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/24/2014
Comments: Not reported

Completed Area Name: Building 17
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/19/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2016
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed
Future Due Date: 2016
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2016
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Corrective Action Completion Determination
Schedule Due Date: 04/16/2016
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 04/21/2016
Schedule Revised Date: Not reported

AA107 **ROCKWELL INT'L CORP/EL SEGUNDO** **CA ENVIROSTOR S100943688**
NE **827 N DOUGLAS** **CA HWP N/A**
1/2-1 **EL SEGUNDO, CA 90009**
0.800 mi.
4224 ft. **Site 1 of 3 in cluster AA**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:

Facility ID:	80001734
Status:	No Further Action
Status Date:	06/19/2013
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	* James Pappas
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92754
Longitude:	-118.3790
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD097855126
Alias Type:	EPA Identification Number
Alias Name:	80001734
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	05/30/1994
Comments:	CAD 093 365 435 - SSFL Area I/III Boeing, CA1 800 090 010 - SSFL Area II NASA and Boeing, CAD 000 629 972 - SSFL Area IV USDOE and Boeing, CA3 890 090 001 - SSFL Area IV USDOE-ETEC, Instrument: Consent Order for CA. LA 9/11/08
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	05/30/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	11/04/1993
Comments:	Not reported

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/02/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA Id: CAD097855126
Cleanup Status: CLOSED
Latitude: 33.92754
Longitude: -118.3790
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1988

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/01/1989

EPA Id: CAD097855126

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/02/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/25/1983

Closure:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/15/1994

AA108 **WISEBURN HIGH SCHOOL - CAMPUS** **CA ENVIROSTOR** **S101296159**
NE **827 NORTH DOUGLAS STREET** **CA SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA SCH**
0.800 mi. **CA HIST CORTESE**
4224 ft. **Site 2 of 3 in cluster AA**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:
Facility ID: 60001621
Status: Inactive - Needs Evaluation
Status Date: 10/11/2012
Site Code: 304639
Site Type: School Investigation
Site Type Detailed: School
Acres: 12.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Rana Georges
Supervisor: Thomas Cota
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Latitude: 33.92286
Longitude: -118.3832
APN: 4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: Benzene Lead Methane Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs TPH-diesel
Confirmed COC: 30003-NO 30013-NO 30015-NO 30024-NO 40002-NO 30018-NO
Potential Description: OTH, SOIL, SV
Alias Name: 4138-030-009
Alias Type: APN
Alias Name: 4138-030-010
Alias Type: APN
Alias Name: 4138-030-011
Alias Type: APN
Alias Name: 4138-030-012
Alias Type: APN
Alias Name: 4138-030-013
Alias Type: APN
Alias Name: 4138-030-014
Alias Type: APN
Alias Name: 4138-030-015
Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Future Area Name: Not reported
Future Sub Area Name: Not reported

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/01/1998
Global Id: SL204741664
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.927493
Longitude: -118.382285
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0577
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SCH:

Facility ID: 60001621
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 12.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Rana Georges
Supervisor: Thomas Cota
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304639
Assembly: 62
Senate: 26
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 10/11/2012
Restricted Use: NO
Funding: School District
Latitude: 33.92286
Longitude: -118.3832
APN: 4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: Benzene, Lead, Methane, Naturally Occurring Asbestos (NOA,

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

	Polychlorinated biphenyls (PCBs, TPH-diesel
Confirmed COC:	30003-NO, 30013-NO, 30015-NO, 30024-NO, 40002-NO, 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015
Alias Type:	APN
Alias Name:	4138-030-023
Alias Type:	APN
Alias Name:	4138-030-024
Alias Type:	APN
Alias Name:	4138-030-025
Alias Type:	APN
Alias Name:	304639
Alias Type:	Project Code (Site Code)
Alias Name:	60001621
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/13/2012
Comments:	Fully executed EOA sent (FedEx) to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/11/2012
Comments:	CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/30/2012
Comments:	DTSC approved the PEA Workplan. Response to comments were acceptable.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Schedule Revised Date: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09539

AA109 **ROCKWELL INTERNATIONAL** **CORRACTS** **1015757279**
NE **815 LAPHAM ST** **RCRA-TSDF** **CAD097855126**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-SQG**
0.800 mi. **PADS**
4224 ft. **Site 3 of 3 in cluster AA** **NY MANIFEST**

Relative: Lower

Actual: 103 ft.

CORRACTS:

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19931203
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940225
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19931104
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940530
Action: CA050 - RFA Completed
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940530
Schedule end date: Not reported

EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of

ROCKWELL INTERNATIONAL (Continued) **1015757279**

corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 19940225
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 09/01/1996
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/01/1996
Site name:	ROCKWELL INTERNATIONAL
Classification:	Small Quantity Generator
Date form received by agency:	03/23/1994
Site name:	ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification:	Large Quantity Generator
Date form received by agency:	02/25/1992
Site name:	ROCKWELL INTL CORP/EL SEGUNDO
Classification:	Large Quantity Generator
Date form received by agency:	04/13/1990
Site name:	ROCKWELL INTERNATIONAL CORPEL SEG
Classification:	Large Quantity Generator
Date form received by agency:	08/18/1980
Site name:	ROCKWELL INTERNATIONAL
Classification:	Large Quantity Generator

Corrective Action Summary:

Event date:	11/04/1993
Event:	RFA Completed, Assessment was a PA-Plus.
Event date:	12/03/1993
Event:	CA Prioritization, Facility or area was assigned a low corrective action priority.
Event date:	05/30/1994
Event:	RFA Completed
Event date:	Not reported
Event:	Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	11/28/1990
Date achieved compliance:	12/04/1992
Violation lead agency:	State

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/04/1992
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/05/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ROCKWELL INTERNATIONAL (Continued) **1015757279**

PADS:

EPAID:	CAD097855126
Facility name:	ROCKWELL INTL CORP EL SEGUNDO
Facility Address:	827 N DOUGLAS ST EL SEGUNDO, CA 90245
Facility country:	US
Generator:	Yes
Storer:	No
Transporter:	No
Disposer:	No
Research facility:	No
Smelter:	No
Facility owner name:	ROCKWELL INTL CORP (NAA)
Contact title:	Not reported
Contact name:	SHE RICHARD S
Contact tel:	(213)647-2828
Contact extension:	Not reported
Mailing address:	PO BOX 92098 LOS ANGELES, CA 90009
Mailing country:	US
Cert. title:	Not reported
Cert. name:	Not reported
Cert. date:	03/28/1990
Date received:	05/30/1990

NY MANIFEST:

Country:	USA
EPA ID:	CAD097855126
Facility Status:	Not reported
Location Address 1:	P O BOX 92098
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	LOS ANGELES
Location State:	CA
Location Zip:	90009
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD097855126
Mailing Name:	ROCKWELL INTERNATIONAL
Mailing Contact:	JOHN WISKOSKI II
Mailing Address 1:	P O BOX 92098
Mailing Address 2:	Not reported
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	90009
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	3106472271

NY MANIFEST:

Document ID:	NYB2436678
Manifest Status:	K
seq:	Not reported
Year:	1992

ROCKWELL INTERNATIONAL (Continued) **1015757279**

Trans1 State ID:	306432
Trans2 State ID:	11343P
Generator Ship Date:	03/09/1992
Trans1 Recv Date:	03/09/1992
Trans2 Recv Date:	03/12/1992
TSD Site Recv Date:	03/25/1992
Part A Recv Date:	04/06/1992
Part B Recv Date:	04/22/1992
Generator EPA ID:	CAD097855126
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00034
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

110
NE
1/2-1
0.827 mi.
4369 ft.

NORTHROP GRUMMAN CORP (WC) **CA HAZNET** **S112998766**
800 N DOUGLAS **CA HWP** **N/A**
LOS ANGELES, CA 90250

Relative:
Lower

Actual:
103 ft.

HAZNET:

envid:	S112998766
Year:	2014
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Organic liquids with metals (Alkaline solution (pH >= 12.5) with

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

	metals)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	31.315
Cat Decode:	Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S112998766
Year:	2014
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S112998766
Year:	2014
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.9656
Cat Decode:	Unspecified aqueous solution
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
envid:	S112998766
Year:	2014
GEPAID:	CAD000627273
Contact:	JOSEPH BEHEN
Telephone:	3103326925
Mailing Name:	Not reported
Mailing Address:	ONE HORNET WAY PA12/W2
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

Gen County: Los Angeles
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.1
Cat Decode: Other organic solids
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: S112998766
Year: 2014
GEPAID: CAD000627273
Contact: JOSEPH BEHEN
Telephone: 3103326925
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY PA12/W2
Mailing City,St,Zip: EL SEGUNDO, CA 902450000
Gen County: Los Angeles
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 1070.856
Cat Decode: Other organic solids
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
1693 additional CA_HAZNET: record(s) in the EDR Site Report.

HWP:
EPA Id: CAD000627273
Cleanup Status: CLOSED
Latitude: 33.92767
Longitude: -118.3830
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 06/30/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/10/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1989

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/13/1987

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 09/30/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/15/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/03/1983

Closure:
EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION

NORTHROP GRUMMAN CORP (WC) (Continued) **S112998766**

Actual Date: 09/30/1991

111
ENE
1/2-1
0.881 mi.
4651 ft.

Relative:
Lower

Actual:
98 ft.

BLDG. 902
500 N DOUGLAS ST
EL SEGUNDO, CA 90245

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-LQG
US AIRS
FINDS
ECHO

1000840757
CAD000627273

SEMS-ARCHIVE:
Site ID: 903329
EPA ID: CAD000627273
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0903329
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290527.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296122.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301980.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 11/07/89
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/28/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/28/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

CORRACTS:

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900521

BLDG. 902 (Continued) **1000840757**

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920327
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/01/2014
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: ONE HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: JOSEPH L BEHEN
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: (310) 332-6925
Contact email: JOSEPH.BEHEN@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: HORNET WAY
EL SEGUNDO, CA 90245
Owner/operator country: Not reported

BLDG. 902 (Continued) **1000840757**

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP
Owner/operator address: 1 NORTHROP AVE
HAWTHORNE, CA 90250
Owner/operator country: Not reported
Owner/operator telephone: (213) 332-3062
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: HORNET WAY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

BLDG. 902 (Continued) **1000840757**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

BLDG. 902 (Continued) **1000840757**

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Historical Generators:
Date form received by agency: 03/09/2012
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: 151

. Waste code: 181
. Waste name: 181

. Waste code: 342
. Waste name: 342

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 723
. Waste name: 723

. Waste code: 725
. Waste name: 725

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

BLDG. 902 (Continued) **1000840757**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/04/2010
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

BLDG. 902 (Continued) **1000840757**

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Date form received by agency: 02/29/2008
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX

BLDG. 902 (Continued) **1000840757**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/27/2006
Site name: NORTHROP GRUMMAN CORPORATION ESMC

BLDG. 902 (Continued) **1000840757**

Classification: Large Quantity Generator

. Waste code: 123
. Waste name: 123

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 151
. Waste name: 151

. Waste code: 261
. Waste name: 261

. Waste code: 271
. Waste name: 271

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

BLDG. 902 (Continued) **1000840757**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/04/2004
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002

BLDG. 902 (Continued) **1000840757**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/26/2002
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 132
. Waste name: 132

. Waste code: 133
. Waste name: 133

. Waste code: 181
. Waste name: 181

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 271

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. Waste name: 271

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 551
. Waste name: 551

. Waste code: 723
. Waste name: 723

. Waste code: 725
. Waste name: 725

. Waste code: 741
. Waste name: 741

. Waste code: 791
. Waste name: 791

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002

BLDG. 902 (Continued) **1000840757**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 03/10/1998
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 09/01/1996
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 04/28/1992
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W

BLDG. 902 (Continued) **1000840757**

Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 75478

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 67278

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 634

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 310743

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 8538

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 468711

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Waste code: D008
Waste name: LEAD
Amount (Lbs): 260

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 45

Waste code: D011
Waste name: SILVER
Amount (Lbs): 64034

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 382596

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 51410

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 359378

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 359378

Corrective Action Summary:
Event date: 01/01/1990
Event: CA029ST

Event date: 05/21/1990

BLDG. 902 (Continued) **1000840757**

Event: CA049PA

Event date: 05/21/1990
Event: CA029EP

Event date: 05/21/1990
Event: CA074LO

Event date: 05/21/1990
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/27/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 03/27/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Facility Has Received Notices of Violations:
Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 05/08/1992
Date achieved compliance: 05/29/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/08/1992
Date achieved compliance: 06/17/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 05/08/1992

BLDG. 902 (Continued) **1000840757**

Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/08/1992
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/05/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 02/20/1992
Date achieved compliance: 04/08/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 02/27/1990
Date achieved compliance: 03/08/1993

BLDG. 902 (Continued) **1000840757**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/27/1990
Date achieved compliance: 01/30/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 04/18/1988
Date achieved compliance: 09/15/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 02/11/1988
Date achieved compliance: 02/11/1988
Violation lead agency: State

BLDG. 902 (Continued) **1000840757**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 08/27/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/29/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/17/1992
Evaluation lead agency: State

Evaluation date: 04/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/20/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/08/1992
Evaluation lead agency: EPA Contractor/Grantee

BLDG. 902 (Continued) **1000840757**

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/08/1993
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/30/1992
Evaluation lead agency: State

Evaluation date: 02/26/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/15/1988
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/11/1988
Evaluation lead agency: State

US AIRS (AFS):
Envid: 1000840757
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
D and B Number: Not reported
Facility Site Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Primary SIC Code: 4511
NAICS Code: 336411
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 1990-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-10-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2001-02-20 00:00:00
Activity Status Date: 2001-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-31 00:00:00
Activity Status Date: 2002-07-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: 2000-12-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-17 00:00:00
Activity Status Date: 2002-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110064127671

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Registry ID: 110055862142

Environmental Interest/Information System
COMPLIANCE AND EMISSIONS REPORTING

STATE MASTER

BLDG. 902 (Continued) **1000840757**

ECHO:
Envid: 1000840757
Registry ID: 110055862142
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110055862142

Envid: 1000840757
Registry ID: 110064127671
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110064127671

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112 **H KRAMER & COMPANY** **CA ENVIROSTOR** **S101540204**
SSE **1 CHAPMAN WAY** **CA SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA ENF**
0.921 mi. **LA Co. Site Mitigation**
4861 ft.

Relative:
Lower

Actual:
92 ft.

ENVIROSTOR:
Facility ID: 19330144
Status: Refer: Other Agency
Status Date: 08/19/1991
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.9075
Longitude: -118.3833
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * HOUSEHOLD WASTES * Metals - Other Inorganic Solid Waste Asbestos Containing Materials (ACM * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008260267
Alias Type: EPA Identification Number
Alias Name: 19330144
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 05/14/1982
Comments: Facility identified from telephone book search;questionnaire sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

H KRAMER & COMPANY (Continued) **S101540204**

Completed Document Type: Site Screening
Completed Date: 08/20/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/20/1991
Comments: Tetra Tech submitted a preliminary endangerment assessment (environmental assessment) report to the Dept prepared for the rail construction corporation which plans to build a portion of the Los Angeles County Transportation Commission Metro Green Line Project across the identified haz waste property of H. Kramer facility. Tetra Tech provided the proposed construction plan in the PEA. The RP paid the PEA fees to the Dept. PEA was completed. PEA concluded that the site should be referred to U.S. EPA for further action because it is currently on CERCLIS. Currently, EPA is the lead agency for further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/03/1991
Comments: Sample Results: Slag Pile = PB 2500 mg/kg, CU 53800, BE 230, ZN 76000, AS 17, PB WET 259; Soil = AS 2800 mg/kg, BE 18, CU 1700, PB 420, ZN 76; Groundwater = AS 140 mg/kg, CR6 .23, SE .24, PCE 200 ug/l, TCE 370, Toluene 270, Xylene 300, Carbon Tet 43 (from ENSR Report to EPA, February 1990). Site Screening Done: Site is a brass foundry contaminated w/ AS, PB, ZN, CU. Possible Asbestos in furnace area. Slag pile is primary source. Previous Company had evaporation pond. AS & Solvents in groundwater probably from pond. Pond is now filled with slag.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC:
Region: STATE
Facility Status: **Open - Verification Monitoring**
Status Date: 10/19/2015
Global Id: SL204011483
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.9088481633157
Longitude: -118.384860767212
Case Type: Cleanup Program Site
Case Worker: NA
Local Agency: Not reported
RB Case Number: 0425
File Location: Regional Board

H KRAMER & COMPANY (Continued) **S101540204**

Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Not reported
Site History: H. Kramer & Company operated a brass foundry at the Site from 1951 through mid-1985. Slag generated from site operations was disposed in a waste pile, filling. Operations by a previous owner, Harshaw Chemical Company (Harshaw), included the smelting of antimony. Harshaw generated wastes containing heavy metals, which included arsenic. With the exception of the building foundations in the southwest portion of the Site, all structures have been demolished. Regional Board issued Cleanup and Abatement Order No. 92-094 (CAO). The CAO stated the following: The concrete /asphalt cap was selected as remedy and installed at the Site in 1995 to eliminate the direct contact pathways and to minimize infiltration of surface water into the subsurface soil.Case was closed conditionally in 1995. Site is under post remediation long term monitoring program. However, based on the available data, Regiona Bord staff asked H. Kramer to conduct additional Investigation to find another source of VOCs. New investigation (June 2009) data indicates another VOCs offsite groundwater (from up-gradient [north of the site]) plume may contributed to the onsite groundwater. Aditional groundwater investigation is required by RP.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Post Remediation Monitoring
SLIC: 0425
Substance: Metal
Staff: PGN

ENF:
Region: 4
Facility Id: 235599
Agency Name: Kramer & Company & Harshaw Chemical
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.908127
Place Longitude: -118.384715
SIC Code 1: 281
SIC Desc 1: Industrial inorganic chemicals
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas

H KRAMER & COMPANY (Continued) **S101540204**

Design Flow:	0
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	WDR
# Of Programs:	1
WDID:	4B191281001
Reg Measure Id:	135010
Reg Measure Type:	WDR
Region:	4
Order #:	94-031
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Active
Status Date:	03/21/2014
Effective Date:	04/04/1994
Expiration/Review Date:	03/31/2009
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	220202
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/28/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/28/1992
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO - 4B191281001
Description:	NEED ACTION IMMEDIATELY.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00

H KRAMER & COMPANY (Continued) **S101540204**

Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

LA Co. Site Mitigation:

Facility ID:	Not reported
Site ID:	SD0010165
Jurisdiction:	County
Case ID:	RO0000427
Abated:	Yes
Assigned To:	Not reported
Entered Date:	05/11/2004
Abated Date:	01/26/1998

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113 **SPERRY GYROSCOPE CORP** **CA ENVIROSTOR** **S107737396**
NNE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.952 mi.
5027 ft.

Relative:
Lower

Actual:
100 ft.

ENVIROSTOR:

Facility ID:	80000842
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93194
Longitude:	-118.3866
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F996300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7140
Alias Type:	INPR
Alias Name:	80000842
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

SPERRY GYROSCOPE CORP (Continued) **S107737396**

Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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114 North 1/2-1 0.966 mi. 5101 ft.

GARRETT AVIATION SVCS. - CFC AVIATION SVCS.
6201 W. IMPERIAL HIGHWAY
LOS ANGELES, CA 90045

CA ENVIROSTOR 1006824524
CA EMI N/A
LA Co. Site Mitigation

Relative: Lower

Actual: 104 ft.

ENVIROSTOR:
Facility ID: 71003574
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.93148
Longitude: -118.4187
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA0000546630
Alias Type: EPA Identification Number
Alias Name: 110017207618
Alias Type: EPA (FRS #)
Alias Name: 71003574
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7718617337
Reactive Organic Gases Tons/Yr:	1.67376
Carbon Monoxide Emissions Tons/Yr:	1.58604
NOX - Oxides of Nitrogen Tons/Yr:	1.95648
SOX - Oxides of Sulphur Tons/Yr:	0.08732
Particulate Matter Tons/Yr:	0.044683797
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04295936512

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6604989273
Reactive Organic Gases Tons/Yr:	2.51259
Carbon Monoxide Emissions Tons/Yr:	1.46672
NOX - Oxides of Nitrogen Tons/Yr:	2.24845
SOX - Oxides of Sulphur Tons/Yr:	0.1075

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Particulate Matter Tons/Yr: 0.03498
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.03365262

LA Co. Site Mitigation:
Facility ID: FA0014246
Site ID: SD0010286
Jurisdiction: Not reported
Case ID: RO0010286
Abated: Yes
Assigned To: RS
Entered Date: Not reported
Abated Date: 01/01/1991

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115 WSW 1/2-1 0.980 mi. 5172 ft. **STANDARD OIL CO.** **CA ENVIROSTOR** **S107737403 N/A**

EL SEGUNDO, CA

Relative: Lower

Actual: 100 ft.

ENVIROSTOR:
Facility ID: 80001144
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.91527
Longitude: -118.4097
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA47300
Alias Type: Federal Facility ID
Alias Name: J09CA7447
Alias Type: INPR
Alias Name: 80001144
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/01/1999

STANDARD OIL CO. (Continued) **S107737403**

Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL SEGUNDO	S101296163	CITY OF EL SEGUNDO	FRANKLIN AVE	90245	CA LUST, CA HIST CORTESE
EL SEGUNDO	S106386907	DOD - LOS ANGELES AIRFORCE BASE	EL SEGUNDO	90245	CA SLIC
HAWTHORNE	S100204276	LA COUNTY/METRO LINE/HAWTHORNE YAR	14724 AVIATION BLVD.	90250	CA ENVIROSTOR, CA VCP
HAWTHORNE	S106387142	JONDA ENTERPRISES	207 EL SEGUNDO	90245	CA SLIC
LOS ANGELES	S107538594		GRAND AVE (CROSS OF 51ST & 52N		CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/13/2015
Date Data Arrived at EDR: 01/06/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 135

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/22/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/22/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/12/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 03/30/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 51

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 34

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/16/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/13/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/13/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 55
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/22/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 72
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/21/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 06/16/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/05/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 06/07/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 14

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 87

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/03/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/13/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/13/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/28/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/15/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/08/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 107

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 09/06/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/12/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 28
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/05/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/06/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/07/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 148

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67
Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 51
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/27/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 06/22/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 48
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 49

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/11/2016
Date Data Arrived at EDR: 07/13/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 36

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/16/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 02/12/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 89

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/20/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 56

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 49

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility List

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 12

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 18

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 07/20/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 60

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 22

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 09/06/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 55

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/01/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa Facility list

Date of Government Version: 04/08/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 50

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/19/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 21

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/08/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 41

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 07/25/2016
Date Data Arrived at EDR: 07/26/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 59

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/20/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 80

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 26

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 51

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 08/19/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/05/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 42
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/19/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/23/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/18/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/07/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/17/2016
Date Data Arrived at EDR: 08/22/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 32

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 21

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 07/25/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/11/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 21
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/09/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/16/2016
Date Data Arrived at EDR: 06/20/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 50
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/13/2016
Date Data Arrived at EDR: 04/15/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 24
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 21
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/10/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 40

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/16/2016
Date Data Arrived at EDR: 06/20/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 49

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/19/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/24/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/26/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 49

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/31/2016
Date Data Arrived at EDR: 06/02/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 19

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/14/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 55

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 07/10/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 44

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 16

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/03/2016
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/28/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/14/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 35

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/16/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/29/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 45

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/11/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/03/2016
Date Made Active in Reports: 09/09/2016
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/20/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GRAND AVENUE COURTYARD
1960 EAST GRAND AVENUE
EL SEGUNDO, CA 90245

TARGET PROPERTY COORDINATES

Latitude (North):	33.919324 - 33° 55' 9.57''
Longitude (West):	118.393356 - 118° 23' 36.08''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371197.3
UTM Y (Meters):	3753890.8
Elevation:	115 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

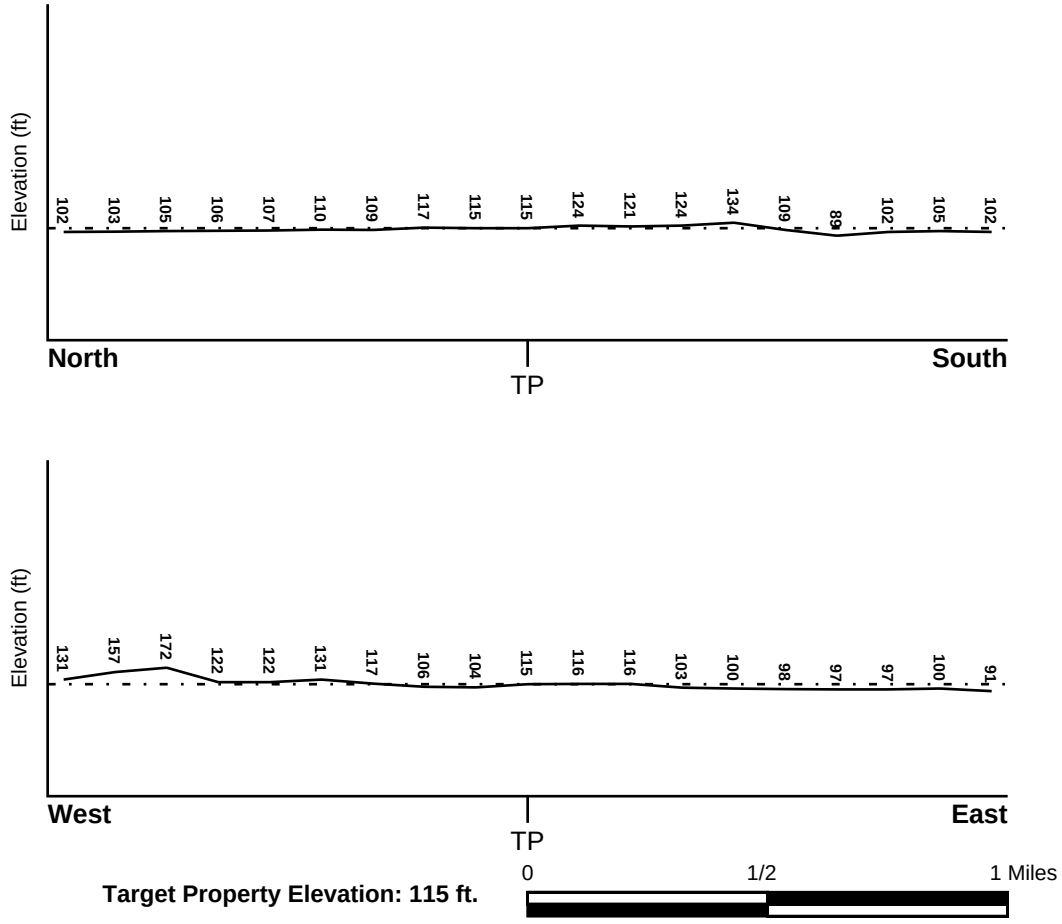
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1770F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VENICE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile West
Site Name:	International Rectifier
Site EPA ID Number:	CAD076208313
Groundwater Flow Direction:	West
Inferred Depth to Water:	80 feet.
Hydraulic Connection:	Aquifers underlying the site are interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DELHI
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

clay

Shallow Soil Types: fine sandy loam
gravelly - loam
sandy clay loam
sandy clay

Deeper Soil Types: coarse sand
silty clay loam
gravelly - fine sandy loam
stratified
gravelly - sandy loam
weathered bedrock
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000205701	0 - 1/8 Mile West

STATE OIL/GAS WELL INFORMATION

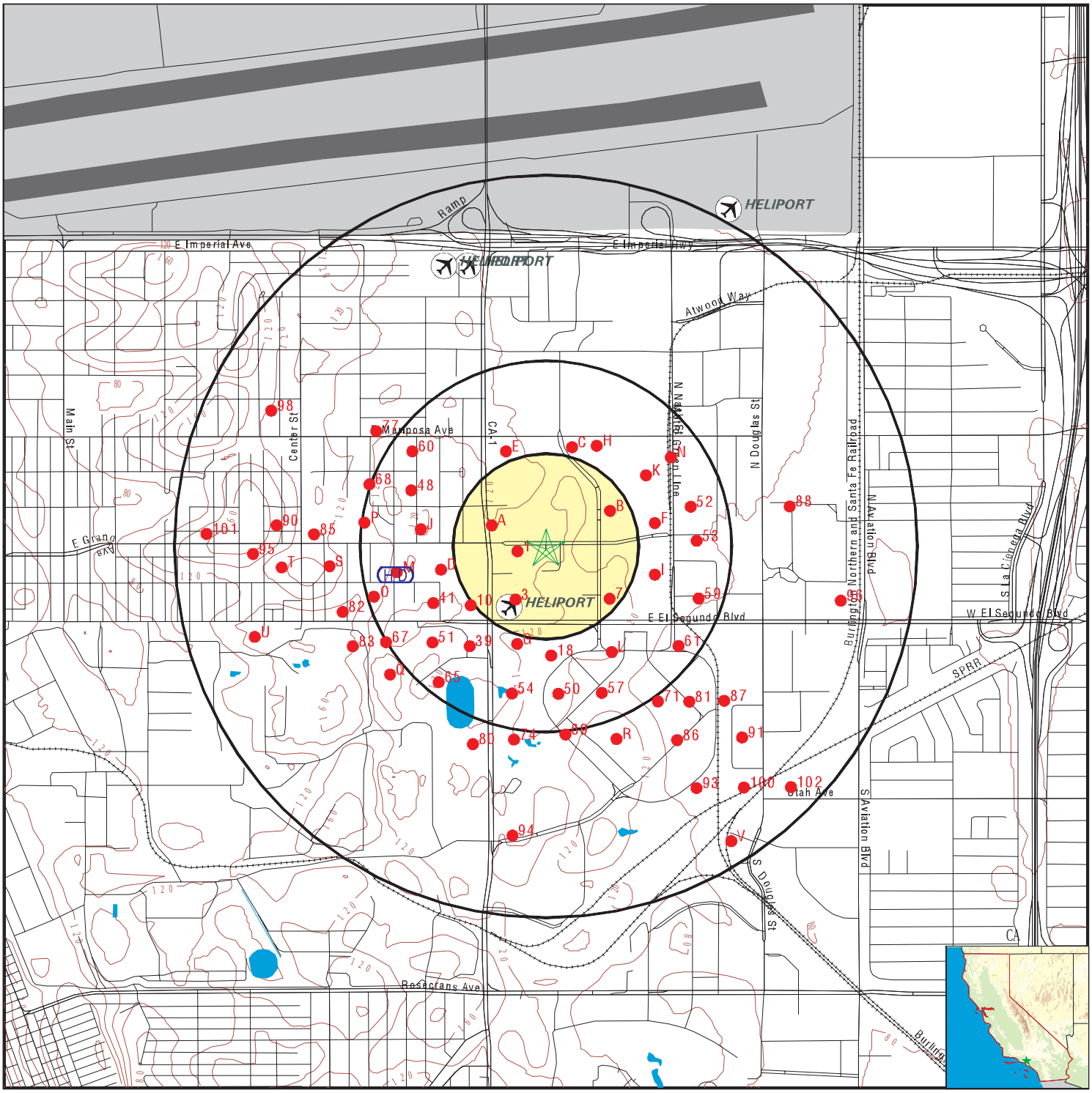
MAP ID	WELL ID	LOCATION FROM TP
A2	CAOG11000205703	1/8 - 1/4 Mile WNW
3	CAOG11000205699	1/8 - 1/4 Mile SSW
A4	CAOG11000205947	1/8 - 1/4 Mile WNW
B5	CAOG11000200714	1/8 - 1/4 Mile ENE
B6	CAOG11000205706	1/8 - 1/4 Mile ENE
7	CAOG11000205951	1/8 - 1/4 Mile SE
C8	CAOG11000205705	1/8 - 1/4 Mile North
D9	CAOG11000205945	1/4 - 1/2 Mile WSW
10	CAOG11000205923	1/4 - 1/2 Mile SW
E11	CAOG11000205704	1/4 - 1/2 Mile NNW
C12	CAOG11000205712	1/4 - 1/2 Mile North
F13	CAOG11000200715	1/4 - 1/2 Mile ENE
G14	CAOG11000205694	1/4 - 1/2 Mile SSW
G15	CAOG11000205736	1/4 - 1/2 Mile SSW
C16	CAOG11000205719	1/4 - 1/2 Mile NNE
C17	CAOG11000205718	1/4 - 1/2 Mile NNE
18	CAOG11000205739	1/4 - 1/2 Mile South
C19	CAOG11000205711	1/4 - 1/2 Mile NNE
E20	CAOG11000204501	1/4 - 1/2 Mile NNW
H21	CAOG11000214145	1/4 - 1/2 Mile NNE
H22	CAOG11000205723	1/4 - 1/2 Mile NNE
C23	CAOG11000205720	1/4 - 1/2 Mile NNE
I24	CAOG11000205716	1/4 - 1/2 Mile ESE
F25	CAOG11000200967	1/4 - 1/2 Mile ENE
F26	CAOG11000205715	1/4 - 1/2 Mile ENE
J27	CAOG11000205949	1/4 - 1/2 Mile West
K28	CAOG11000205709	1/4 - 1/2 Mile NE
F29	CAOG11000205700	1/4 - 1/2 Mile East
I30	CAOG11000205691	1/4 - 1/2 Mile East
H31	CAOG11000205717	1/4 - 1/2 Mile NNE
L32	CAOG11000205935	1/4 - 1/2 Mile SSE
F33	CAOG11000205721	1/4 - 1/2 Mile East
H34	CAOG11000205710	1/4 - 1/2 Mile NNE
I35	CAOG11000205698	1/4 - 1/2 Mile ESE
F36	CAOG11000214163	1/4 - 1/2 Mile ENE
D37	CAOG11000205693	1/4 - 1/2 Mile WSW
K38	CAOG11000205713	1/4 - 1/2 Mile ENE
39	CAOG11000205724	1/4 - 1/2 Mile SW
K40	CAOG11000205722	1/4 - 1/2 Mile NE
41	CAOG11000205924	1/4 - 1/2 Mile WSW
K42	CAOG11000215070	1/4 - 1/2 Mile NE
L43	CAOG11000202271	1/4 - 1/2 Mile SSE
J44	CAOG11000205934	1/4 - 1/2 Mile West
M45	CAOG11000205695	1/4 - 1/2 Mile West
M46	CAOG11000190038	1/4 - 1/2 Mile WSW
N47	CAOG11000205714	1/4 - 1/2 Mile NE
48	CAOG11000205916	1/4 - 1/2 Mile WNW
N49	CAOG11000205708	1/4 - 1/2 Mile NE
50	CAOG11000205734	1/4 - 1/2 Mile South
51	CAOG11000205726	1/4 - 1/2 Mile SW
52	CAOG11000205944	1/4 - 1/2 Mile ENE
53	CAOG11000205697	1/4 - 1/2 Mile East
54	CAOG11000205737	1/4 - 1/2 Mile SSW
N55	CAOG11000205702	1/4 - 1/2 Mile NE
N56	CAOG11000205707	1/4 - 1/2 Mile NE
57	CAOG11000205936	1/4 - 1/2 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N58	CAOG11000205943	1/4 - 1/2 Mile ENE
59	CAOG11000205696	1/4 - 1/2 Mile ESE
60	CAOG11000204707	1/4 - 1/2 Mile NW
61	CAOG11000202273	1/4 - 1/2 Mile SE
M62	CAOG11000205941	1/4 - 1/2 Mile West
O63	CAOG11000205927	1/4 - 1/2 Mile WSW
N64	CAOG11000205942	1/4 - 1/2 Mile ENE
65	CAOG11000205725	1/4 - 1/2 Mile SW
P66	CAOG11000205948	1/4 - 1/2 Mile West
67	CAOG11000205728	1/2 - 1 Mile WSW
68	CAOG11000205731	1/2 - 1 Mile WNW
69	CAOG11000205735	1/2 - 1 Mile South
O70	CAOG11000205928	1/2 - 1 Mile WSW
71	CAOG11000205931	1/2 - 1 Mile SE
P72	CAOG11000205937	1/2 - 1 Mile West
Q73	CAOG11000200716	1/2 - 1 Mile SW
74	CAOG11000205738	1/2 - 1 Mile South
R75	CAOG11000205929	1/2 - 1 Mile SSE
S76	CAOG11000205915	1/2 - 1 Mile West
77	CAOG11000204933	1/2 - 1 Mile NW
Q78	CAOG11000205730	1/2 - 1 Mile SW
R79	CAOG11000202272	1/2 - 1 Mile SSE
80	CAOG11000205727	1/2 - 1 Mile SSW
81	CAOG11000205932	1/2 - 1 Mile SE
82	CAOG11000205940	1/2 - 1 Mile WSW
83	CAOG11000205729	1/2 - 1 Mile WSW
S84	CAOG11000205920	1/2 - 1 Mile West
85	CAOG11000205919	1/2 - 1 Mile West
86	CAOG11000202274	1/2 - 1 Mile SE
87	CAOG11000200713	1/2 - 1 Mile SE
88	CAOG11000205925	1/2 - 1 Mile East
T89	CAOG11000189959	1/2 - 1 Mile West
90	CAOG11000205917	1/2 - 1 Mile West
91	CAOG11000190037	1/2 - 1 Mile SE
T92	CAOG11000189958	1/2 - 1 Mile West
93	CAOG11000205921	1/2 - 1 Mile SSE
94	CAOG11000205741	1/2 - 1 Mile South
95	CAOG11000205938	1/2 - 1 Mile West
96	CAOG11000205939	1/2 - 1 Mile East
U97	CAOG11000214025	1/2 - 1 Mile WSW
98	CAOG11000204762	1/2 - 1 Mile WNW
U99	CAOG11000214041	1/2 - 1 Mile WSW
100	CAOG11000205933	1/2 - 1 Mile SE
101	CAOG11000205918	1/2 - 1 Mile West
102	CAOG11000205922	1/2 - 1 Mile SE
V103	CAOG11000205950	1/2 - 1 Mile SE
V104	CAOG11000205930	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 04741664.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Grand Avenue Courtyard	CLIENT:	EnviroBusiness, Inc.
ADDRESS:	1960 East Grand Avenue El Segundo CA 90245	CONTACT:	Production Manager
LAT/LONG:	33.919324 / 118.393356	INQUIRY #:	04741664.2r
		DATE:	September 30, 2016 1:22 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
West
0 - 1/8 Mile

OIL_GAS **CAOG11000205701**

District nun:	1	Api number:	03707214
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205701		

A2
WNW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205703**

District nun:	1	Api number:	03707216
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205703		

3
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205699**

District nun:	1	Api number:	03707212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205699		

A4
WNW **OIL_GAS** **CAOG11000205947**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707596
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	2-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205947		

B5
ENE **OIL_GAS** **CAOG11000200714**
1/8 - 1/4 Mile

District nun:	1	Api number:	03700180
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000200714		

B6
ENE **OIL_GAS** **CAOG11000205706**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707219
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205706		

7
SE **OIL_GAS** **CAOG11000205951**
1/8 - 1/4 Mile

District nun:	1	Api number:	03707600
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Marathon Oil Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	A. S. Gough	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205951		

Map ID
Direction
Distance

Database EDR ID Number

C8
North
1/8 - 1/4 Mile

OIL_GAS **CAOG11000205705**

District nun:	1	Api number:	03707218
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205705		

D9
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205945**

District nun:	1	Api number:	03707593
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Government Refining & Gasoline Corp.Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ramsey-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205945		

10
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205923**

District nun:	1	Api number:	03707571
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205923		

E11
NNW **OIL_GAS** **CAOG11000205704**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707217
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205704		

C12
North **OIL_GAS** **CAOG11000205712**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707225
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205712		

F13
ENE **OIL_GAS** **CAOG11000200715**
1/4 - 1/2 Mile

District nun:	1	Api number:	03700181
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000200715		

G14
SSW **OIL_GAS** **CAOG11000205694**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Shell Western Exploration & Production Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Fortuna	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205694		

Map ID
Direction
Distance

Database EDR ID Number

G15
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205736**

District nun:	1	Api number:	03707251
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205736		

C16
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205719**

District nun:	1	Api number:	03707232
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205719		

C17
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205718**

District nun:	1	Api number:	03707231
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205718		

18
South **OIL_GAS** **CAOG11000205739**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707254
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205739		

C19
NNE **OIL_GAS** **CAOG11000205711**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707224
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205711		

E20
NNW **OIL_GAS** **CAOG11000204501**
1/4 - 1/2 Mile

District nun:	1	Api number:	03705175
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Santa Fe B	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204501		

H21
NNE **OIL_GAS** **CAOG11000214145**
1/4 - 1/2 Mile

District nun:	1	Api number:	03720612
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000214145		

Map ID
Direction
Distance

Database EDR ID Number

H22
NNE **OIL_GAS** **CAOG11000205723**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707236
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PDH
Site id:	CAOG11000205723		

C23
NNE **OIL_GAS** **CAOG11000205720**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707233
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205720		

I24
ESE **OIL_GAS** **CAOG11000205716**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707229
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205716		

F25
ENE **OIL_GAS** **CAOG11000200967**
1/4 - 1/2 Mile

District nun:	1	Api number:	03700874
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200967		

F26
ENE **OIL_GAS** **CAOG11000205715**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707228
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205715		

J27
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205949**

District nun:	1	Api number:	03707598
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205949		

K28
NE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205709**

District nun:	1	Api number:	03707222
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205709		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F29
East
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205700**

District nun:	1	Api number:	03707213
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205700		

I30
East
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205691**

District nun:	1	Api number:	03707201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Marathon Oil Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	A. S. Gough	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205691		

H31
NNE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205717**

District nun:	1	Api number:	03707230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205717		

L32
SSE **OIL_GAS** **CAOG11000205935**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707583
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Republic-El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205935		

F33
East **OIL_GAS** **CAOG11000205721**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707234
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205721		

H34
NNE **OIL_GAS** **CAOG11000205710**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707223
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205710		

I35
ESE **OIL_GAS** **CAOG11000205698**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707211
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205698		

Map ID
Direction
Distance

Database EDR ID Number

F36
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000214163**

District nun:	1	Api number:	03720650
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000214163		

D37
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205693**

District nun:	1	Api number:	03707206
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Ruchti Petro. Co., Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205693		

K38
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205713**

District nun:	1	Api number:	03707226
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205713		

39
SW **OIL_GAS** **CAOG11000205724**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707237
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205724		

K40
NE **OIL_GAS** **CAOG11000205722**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707235
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205722		

41
WSW **OIL_GAS** **CAOG11000205924**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707572
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205924		

K42
NE **OIL_GAS** **CAOG11000215070**
1/4 - 1/2 Mile

District nun:	1	Api number:	03723168
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000215070		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

L43
SSE **OIL_GAS** **CAOG11000202271**
1/4 - 1/2 Mile

District nun:	1	Api number:	03702332
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202271		

J44
West **OIL_GAS** **CAOG11000205934**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707582
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205934		

M45
West **OIL_GAS** **CAOG11000205695**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	K. Sims		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Copinger-Wallace	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205695		

M46
WSW **OIL_GAS** **CAOG11000190038**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707594
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Signal Hill Petroleum, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	114.948
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	Elsie Comm.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190038		

N47
NE **OIL_GAS** **CAOG11000205714**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707227
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205714		

48
WNW **OIL_GAS** **CAOG11000205916**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707563
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205916		

N49
NE **OIL_GAS** **CAOG11000205708**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707221
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205708		

Map ID
Direction
Distance

Database EDR ID Number

50
South **OIL_GAS** **CAOG11000205734**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707249
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205734		

51
SW **OIL_GAS** **CAOG11000205726**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707239
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205726		

52
ENE **OIL_GAS** **CAOG11000205944**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707592
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Goodwin	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205944		

53
East **OIL_GAS** **CAOG11000205697**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707210
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Buffington	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205697		

54
SSW **OIL_GAS** **CAOG11000205737**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707252
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Security	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205737		

N55
NE **OIL_GAS** **CAOG11000205702**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707215
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PLG
Site id:	CAOG11000205702		

N56
NE **OIL_GAS** **CAOG11000205707**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707220
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gough	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDG
Site id:	CAOG11000205707		

Map ID
Direction
Distance

Database EDR ID Number

57
SSE **OIL_GAS** **CAOG11000205936**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707584
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Republic-El Segundo	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205936		

N58
ENE **OIL_GAS** **CAOG11000205943**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707591
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	E.S.	Wellnumber:	1-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205943		

59
ESE **OIL_GAS** **CAOG11000205696**
1/4 - 1/2 Mile

District nun:	1	Api number:	03707209
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Buffington	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205696		

60
NW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000204707**

District nun:	1	Api number:	03705485
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Howard Oil Co., Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mary	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204707		

61
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000202273**

District nun:	1	Api number:	03702334
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Block	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202273		

M62
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205941**

District nun:	1	Api number:	03707589
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Corp.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Grauman-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205941		

O63
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205927**

District nun:	1	Api number:	03707575
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mccray	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205927		

Map ID
Direction
Distance

Database EDR ID Number

N64
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205942**

District nun:	1	Api number:	03707590
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	E.S.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205942		

65
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205725**

District nun:	1	Api number:	03707238
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205725		

P66
West
1/4 - 1/2 Mile

OIL_GAS **CAOG11000205948**

District nun:	1	Api number:	03707597
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	ExxonMobil Corporation		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie	Wellnumber:	9-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205948		

67
WSW **OIL_GAS** **CAOG11000205728**
1/2 - 1 Mile

District nun:	1	Api number:	03707241
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205728		

68
WNW **OIL_GAS** **CAOG11000205731**
1/2 - 1 Mile

District nun:	1	Api number:	03707246
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	The Termo Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Termo-Elsie	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205731		

69
South
1/2 - 1 Mile

OIL_GAS **CAOG11000205735**

District nun:	1	Api number:	03707250
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205735		

O70
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205928**

District nun:	1	Api number:	03707576
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mccray	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205928		

Map ID
Direction
Distance

Database EDR ID Number

71
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205931**

District nun:	1	Api number:	03707579
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205931		

P72
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205937**

District nun:	1	Api number:	03707585
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Briles Manufacturing		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205937		

Q73
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000200716**

District nun:	1	Api number:	03700182
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200716		

74
South **OIL_GAS** **CAOG11000205738**
1/2 - 1 Mile

District nun:	1	Api number:	03707253
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205738		

R75
SSE **OIL_GAS** **CAOG11000205929**
1/2 - 1 Mile

District nun:	1	Api number:	03707577
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Republic	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205929		

S76
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205915**

District nun:	1	Api number:	03707562
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Converse	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205915		

77
NW
1/2 - 1 Mile

OIL_GAS **CAOG11000204933**

District nun:	1	Api number:	03705802
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	George R. Rider		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204933		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Q78
SW
1/2 - 1 Mile

OIL_GAS **CAOG11000205730**

District nun:	1	Api number:	03707243
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205730		

R79
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000202272**

District nun:	1	Api number:	03702333
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202272		

80
SSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205727**

District nun:	1	Api number:	03707240
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205727		

81
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205932**

District nun:	1	Api number:	03707580
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205932		

82
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205940**

District nun:	1	Api number:	03707588
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205940		

83
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000205729**

District nun:	1	Api number:	03707242
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205729		

S84
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205920**

District nun:	1	Api number:	03707567
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Silver Wing Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Guaranty-Wallace	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205920		

Map ID
Direction
Distance

Database EDR ID Number

85
West **OIL_GAS** **CAOG11000205919**
1/2 - 1 Mile

District nun:	1	Api number:	03707566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	El Segundo Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205919		

86
SE **OIL_GAS** **CAOG11000202274**
1/2 - 1 Mile

District nun:	1	Api number:	03702335
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000202274		

87
SE **OIL_GAS** **CAOG11000200713**
1/2 - 1 Mile

District nun:	1	Api number:	03700179
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200713		

88
East **OIL_GAS** **CAOG11000205925**
1/2 - 1 Mile

District nun:	1	Api number:	03707573
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Howard	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205925		

T89
West **OIL_GAS** **CAOG11000189959**
1/2 - 1 Mile

District nun:	1	Api number:	03707245
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	El Segundo Oil, LLC		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	97.945
Locationde:	Not Reported		
Gissourcec:	gps		

Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189959		

90
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205917**

District nun:	1	Api number:	03707564
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205917		

91
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000190037**

District nun:	1	Api number:	03707568
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brayton-Hodges Petro, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	97.051
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190037		

Map ID
Direction
Distance

Database EDR ID Number

T92
West
1/2 - 1 Mile

OIL_GAS **CAOG11000189958**

District nun:	1	Api number:	03707244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	El Segundo Oil, LLC		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	116.742
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	23201069.ssf		
Leasename:	El Segundo	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189958		

93
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000205921**

District nun:	1	Api number:	03707569
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205921		

94
South
1/2 - 1 Mile

OIL_GAS **CAOG11000205741**

District nun:	1	Api number:	03707256
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Union Oil Company of California		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205741		

95
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205938**

District nun:	1	Api number:	03707586
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Conoco Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205938		

96
East
1/2 - 1 Mile

OIL_GAS **CAOG11000205939**

District nun:	1	Api number:	03707587
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Dresco, Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	7
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Woods	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205939		

U97
WSW **OIL_GAS** **CAOG11000214025**
1/2 - 1 Mile

District nun:	1	Api number:	03720213
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214025		

98
WNW **OIL_GAS** **CAOG11000204762**
1/2 - 1 Mile

District nun:	1	Api number:	03705566
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Larco Oil Co.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Van	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204762		

Map ID
Direction
Distance

Database EDR ID Number

U99
WSW
1/2 - 1 Mile

OIL_GAS **CAOG11000214041**

District nun:	1	Api number:	03720294
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	13
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Refinery	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000214041		

100
SE
1/2 - 1 Mile

OIL_GAS **CAOG11000205933**

District nun:	1	Api number:	03707581
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Block Oil Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Block	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205933		

101
West
1/2 - 1 Mile

OIL_GAS **CAOG11000205918**

District nun:	1	Api number:	03707565
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Apex Petroleum Corporation, Ltd.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	12
Township:	03S	Range:	15W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Elsie Community	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205918		

102
SE **OIL_GAS** **CAOG11000205922**
1/2 - 1 Mile

District nun:	1	Api number:	03707570
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205922		

V103
SE **OIL_GAS** **CAOG11000205950**
1/2 - 1 Mile

District nun:	1	Api number:	03707599
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lane-Wells Co.		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	El Segundo	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205950		

V104
SSE **OIL_GAS** **CAOG11000205930**
1/2 - 1 Mile

District nun:	1	Api number:	03707578
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Atlantic Richfield Company		
County name:	Los Angeles	Fieldname:	El Segundo
Area name:	Any Area	Section:	18
Township:	03S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Santa Fe	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205930		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90245	101	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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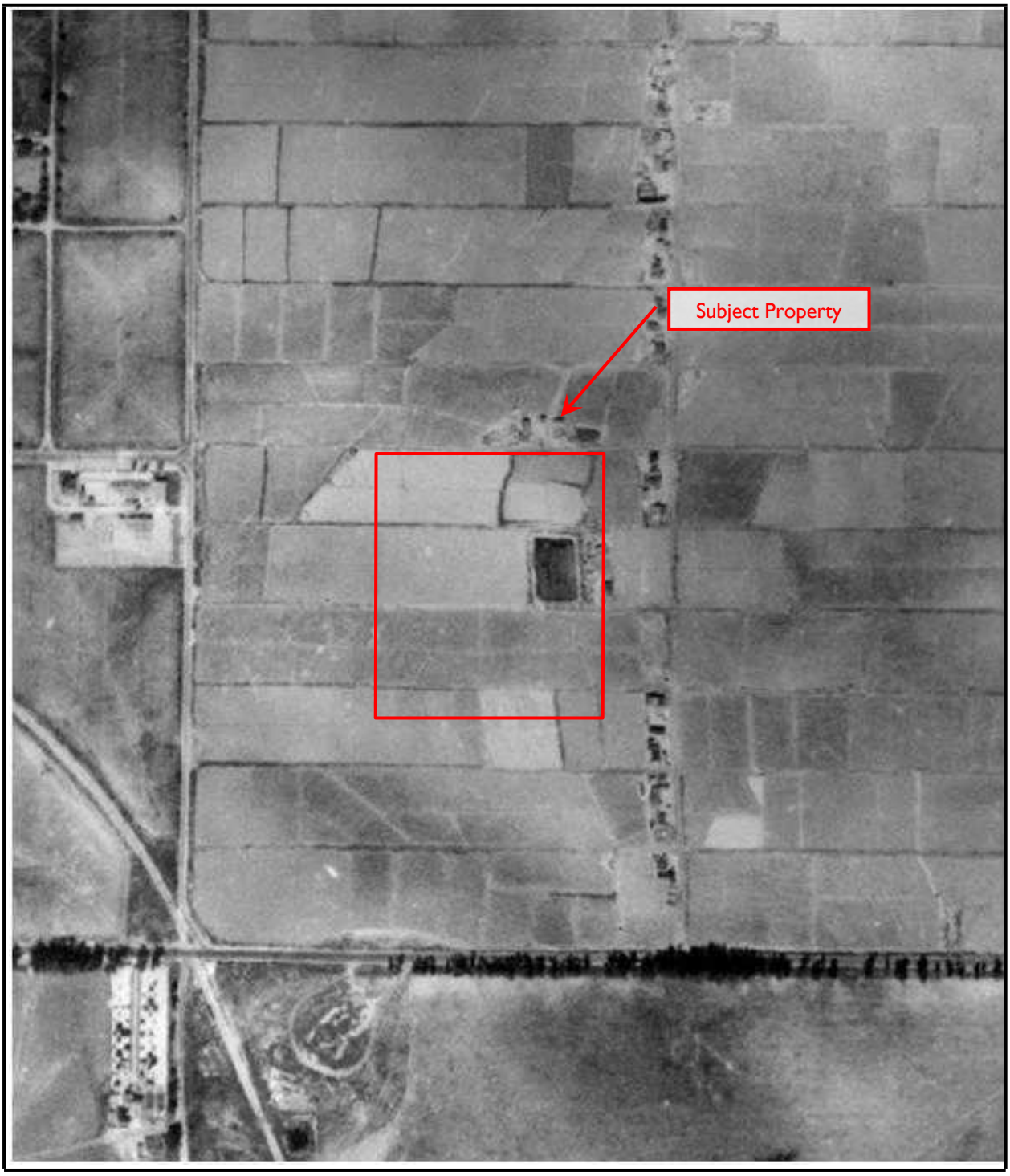
APPENDIX F

HISTORICAL DOCUMENTATION

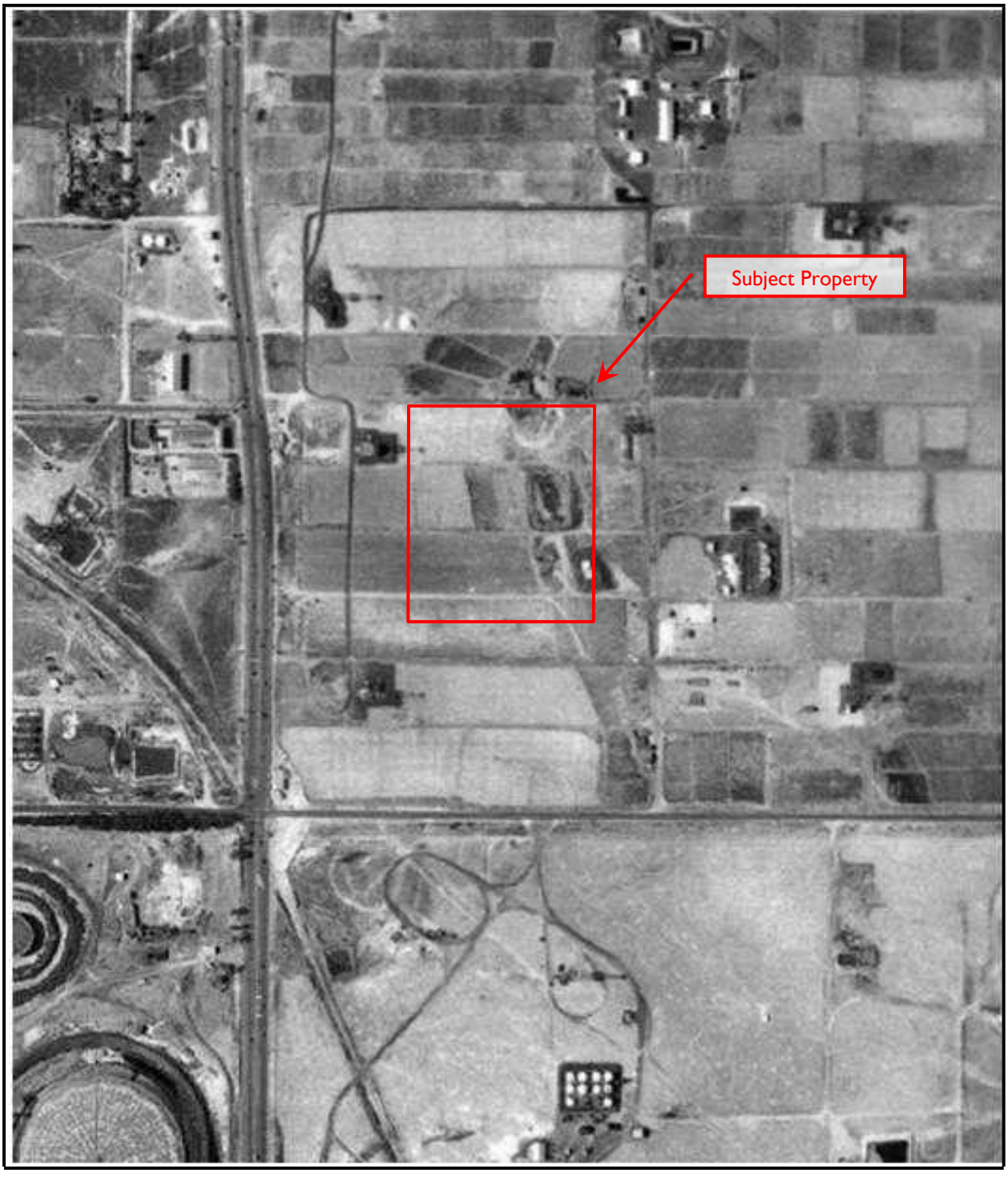
Aerial Photograph

Year: 1923



Aerial Photograph

Year: 1928



Aerial Photograph

Year: 1938

Aerial Photograph

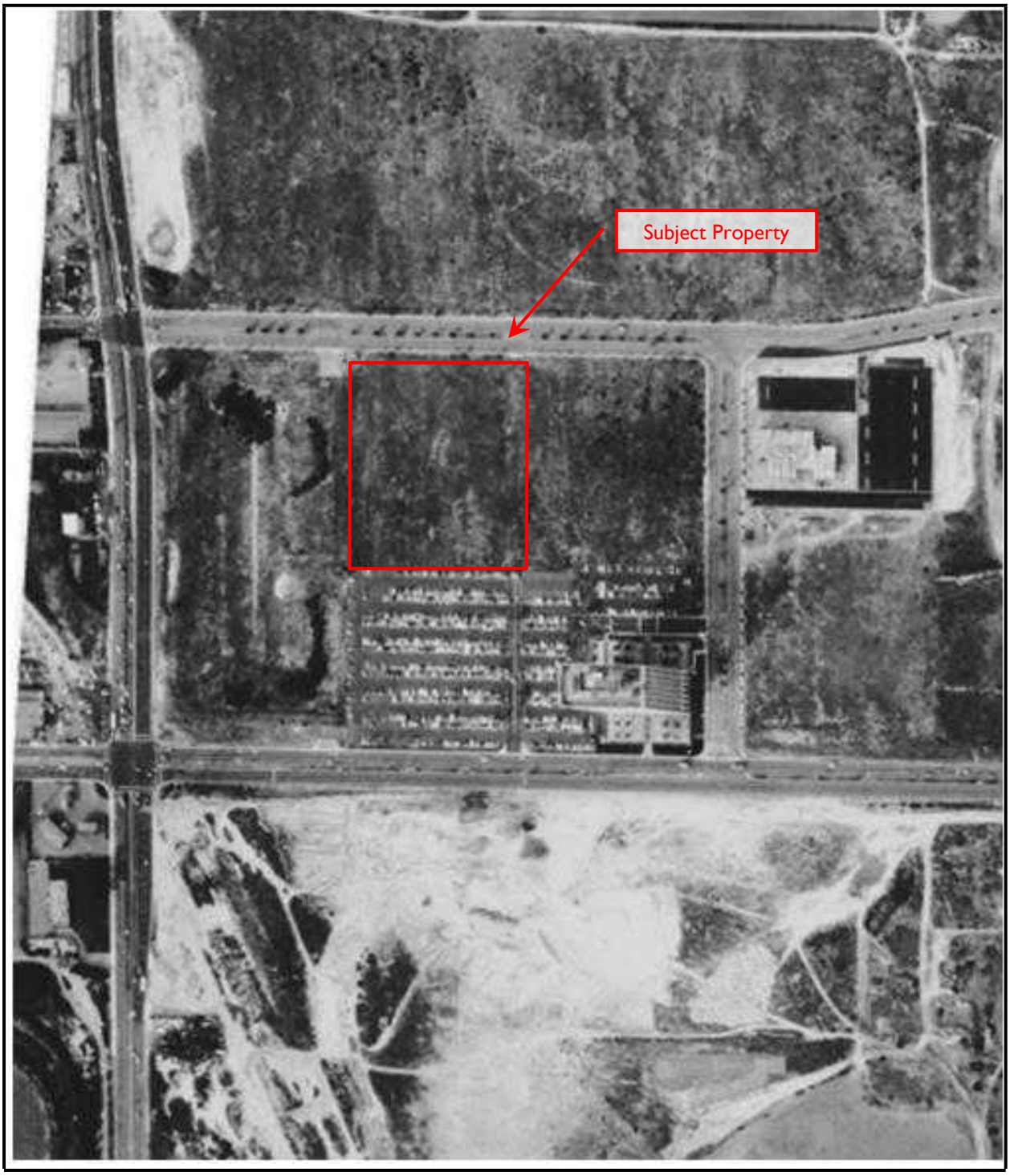
Year: 1953

Aerial Photograph

Year: 1963

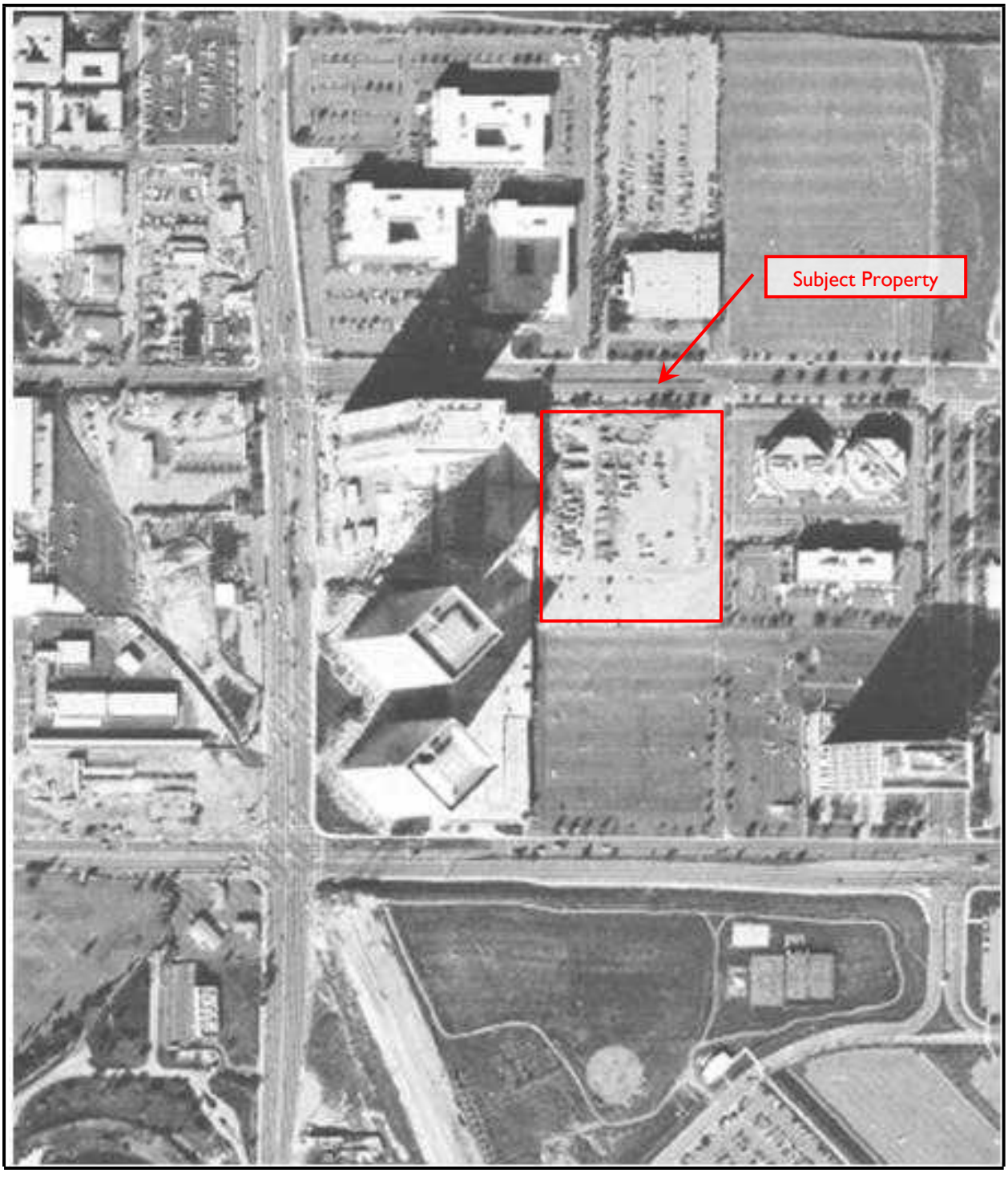
Aerial Photograph

Year: 1972



Aerial Photograph

Year: 1977



Aerial Photograph

Year: 1983

Aerial Photograph

Year: 1989

Aerial Photograph

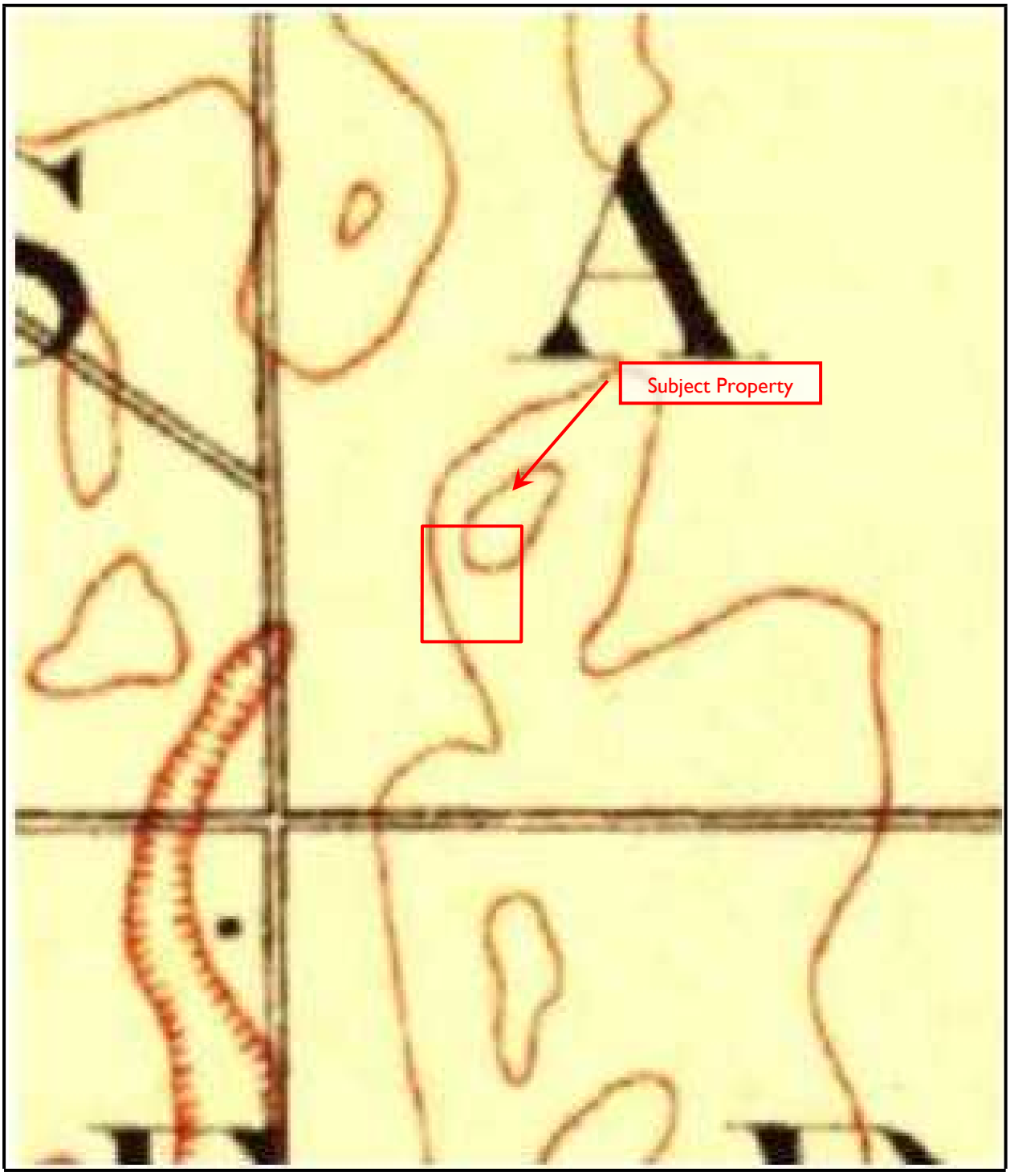
Year: 1994

Aerial Photograph

Year: 2002

Aerial Photograph

Year: 2012

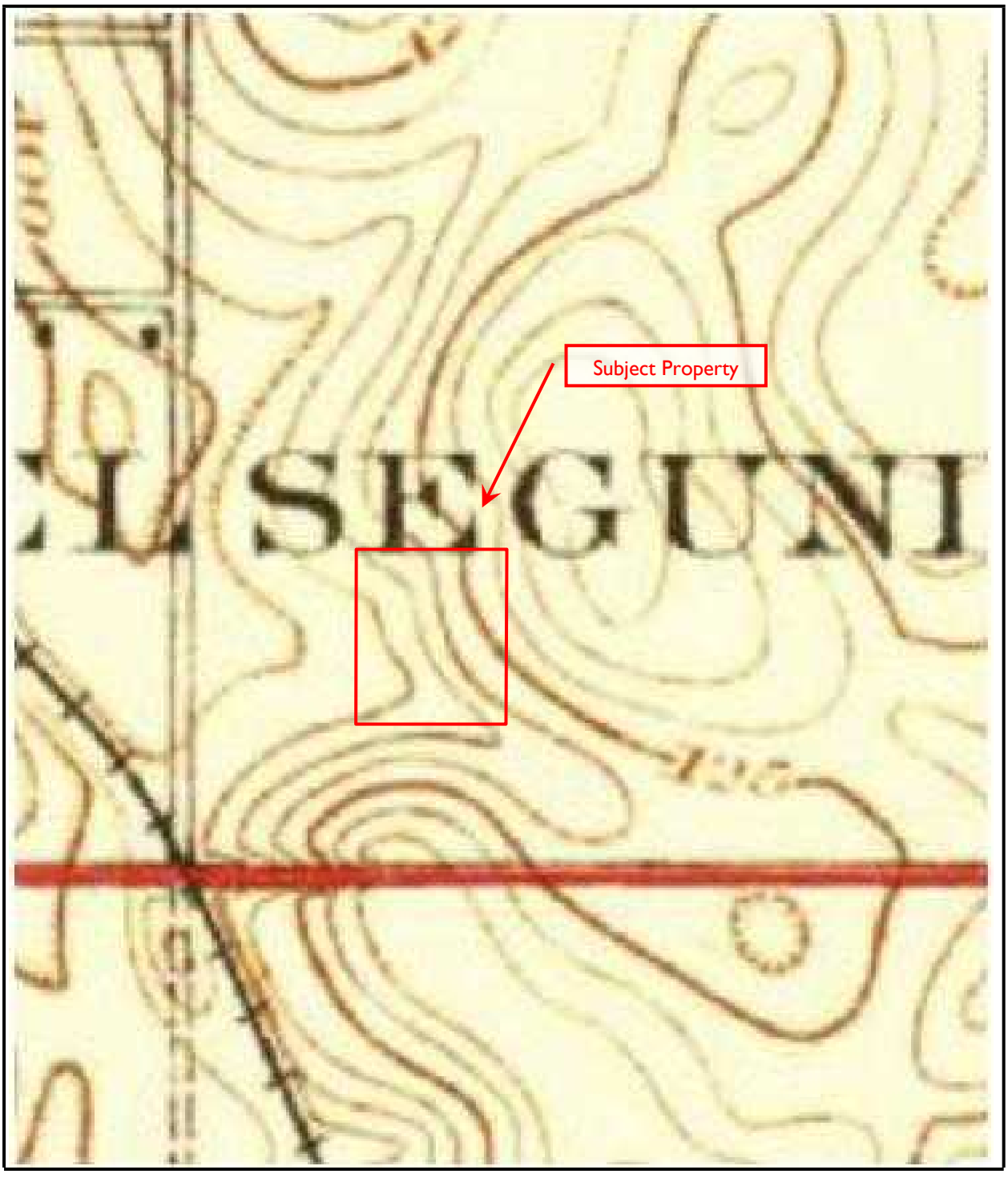


USGS Topographic Map

Year: 1896

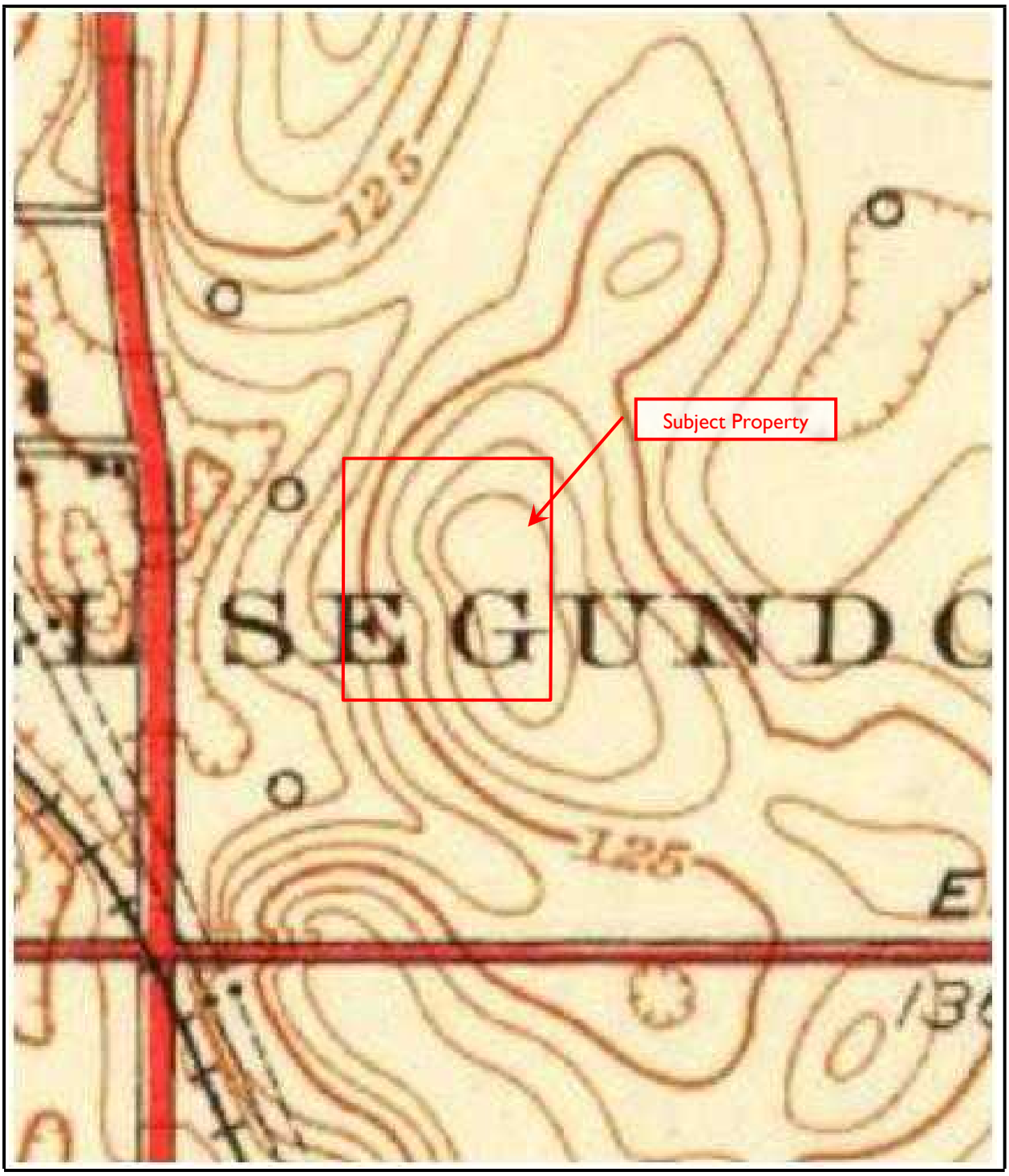
USGS Topographic Map

Year: 1924



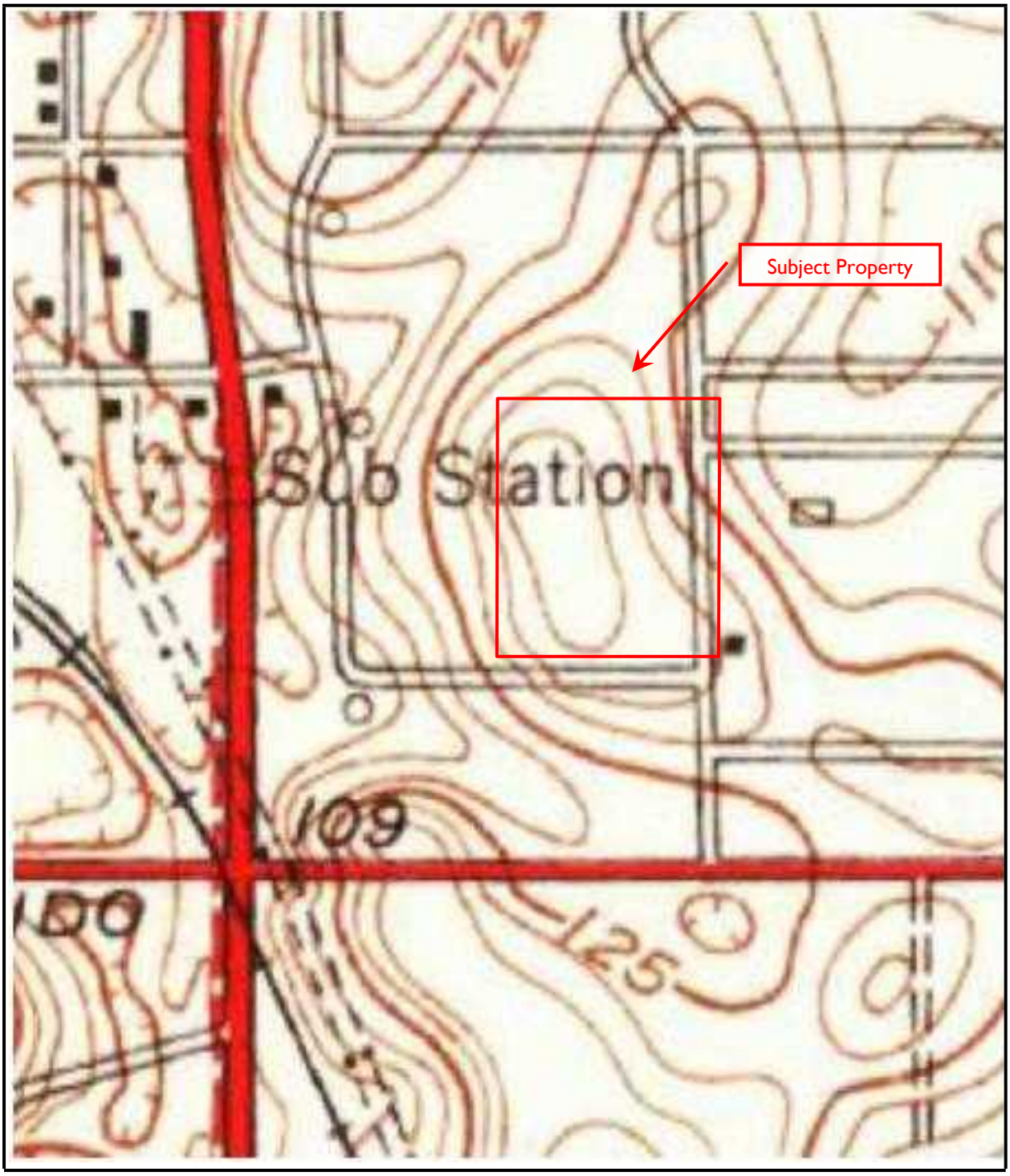
USGS Topographic Map

Year: 1930



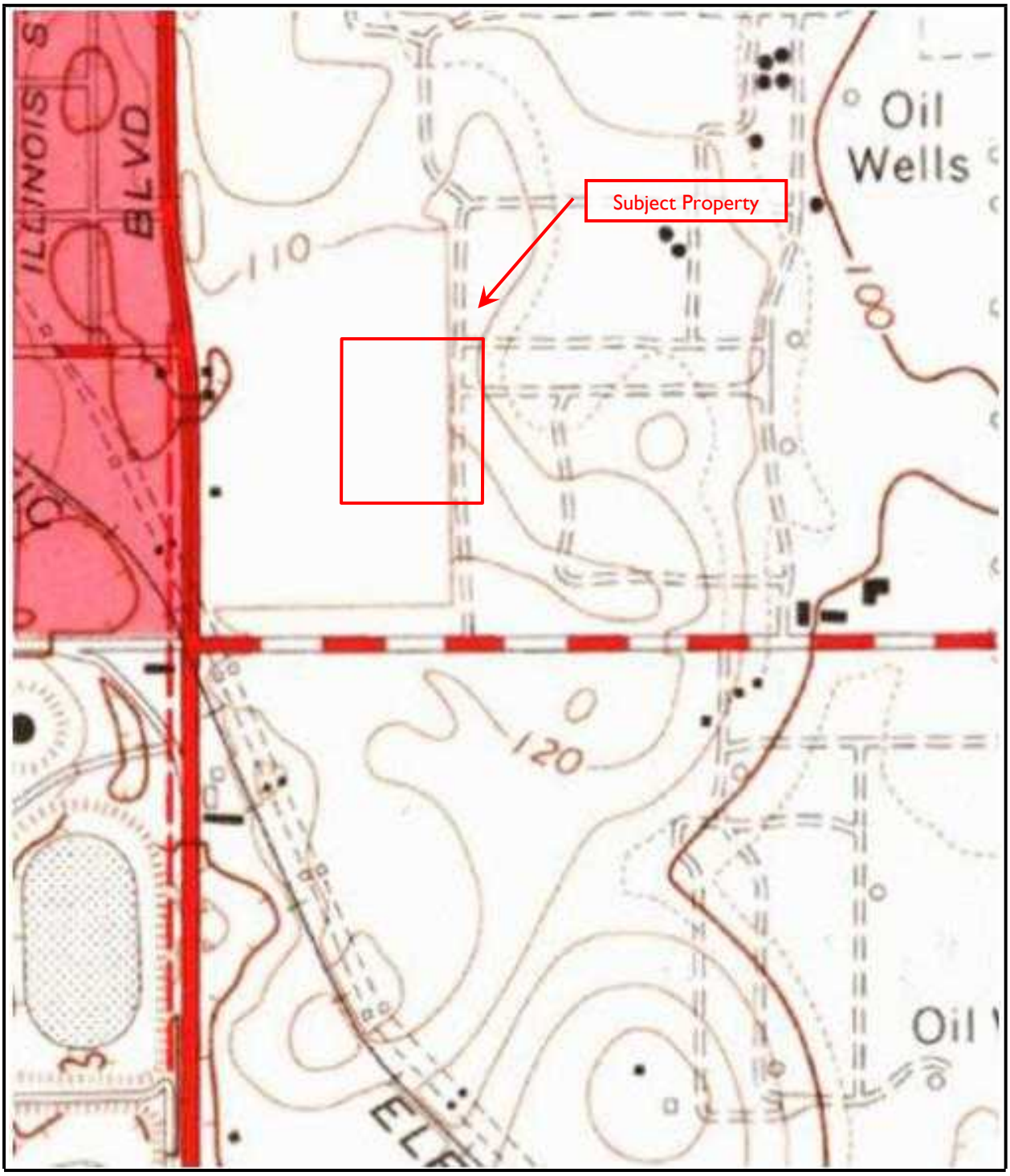
USGS Topographic Map

Year: 1948



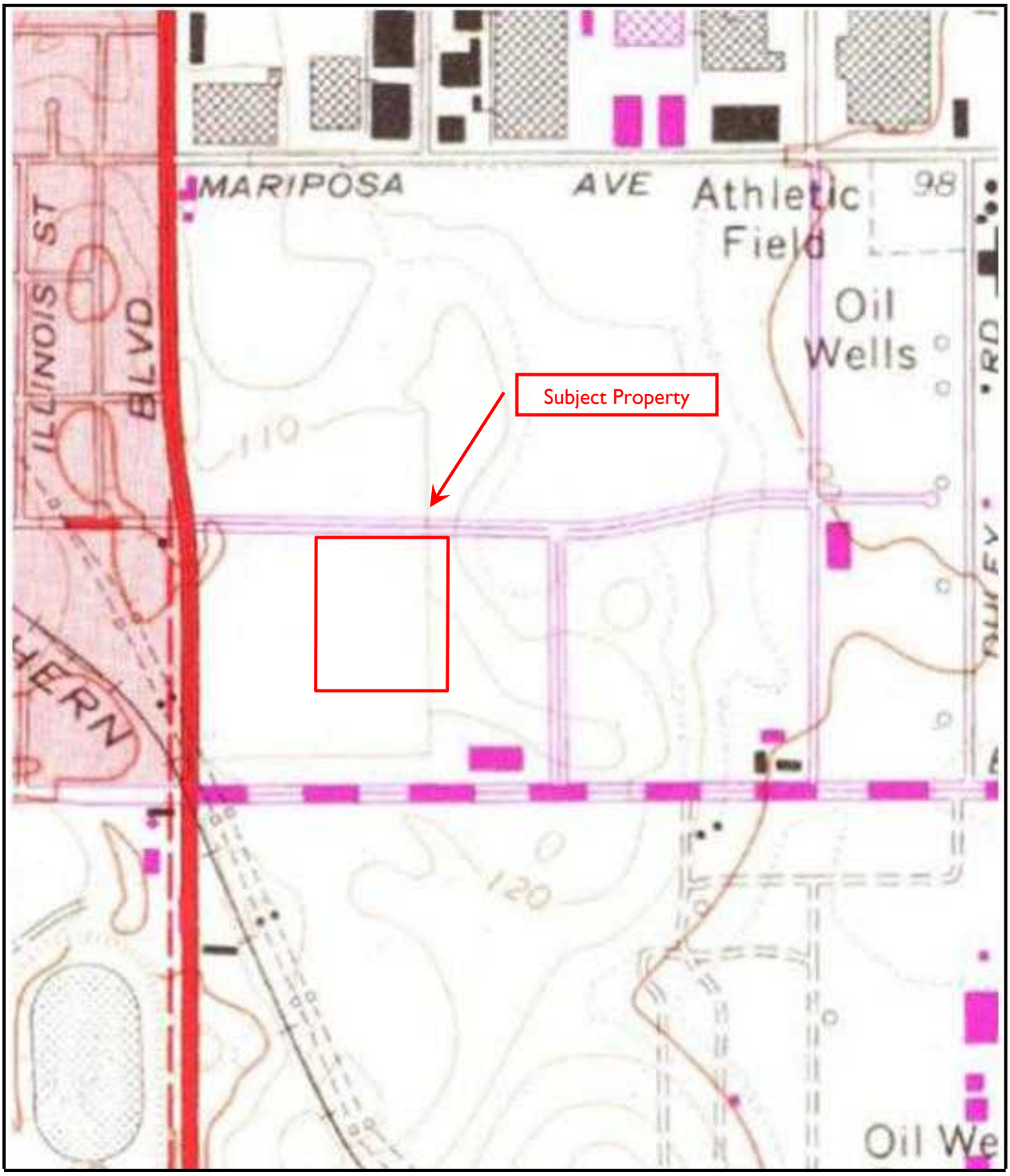
USGS Topographic Map

Year: 1950



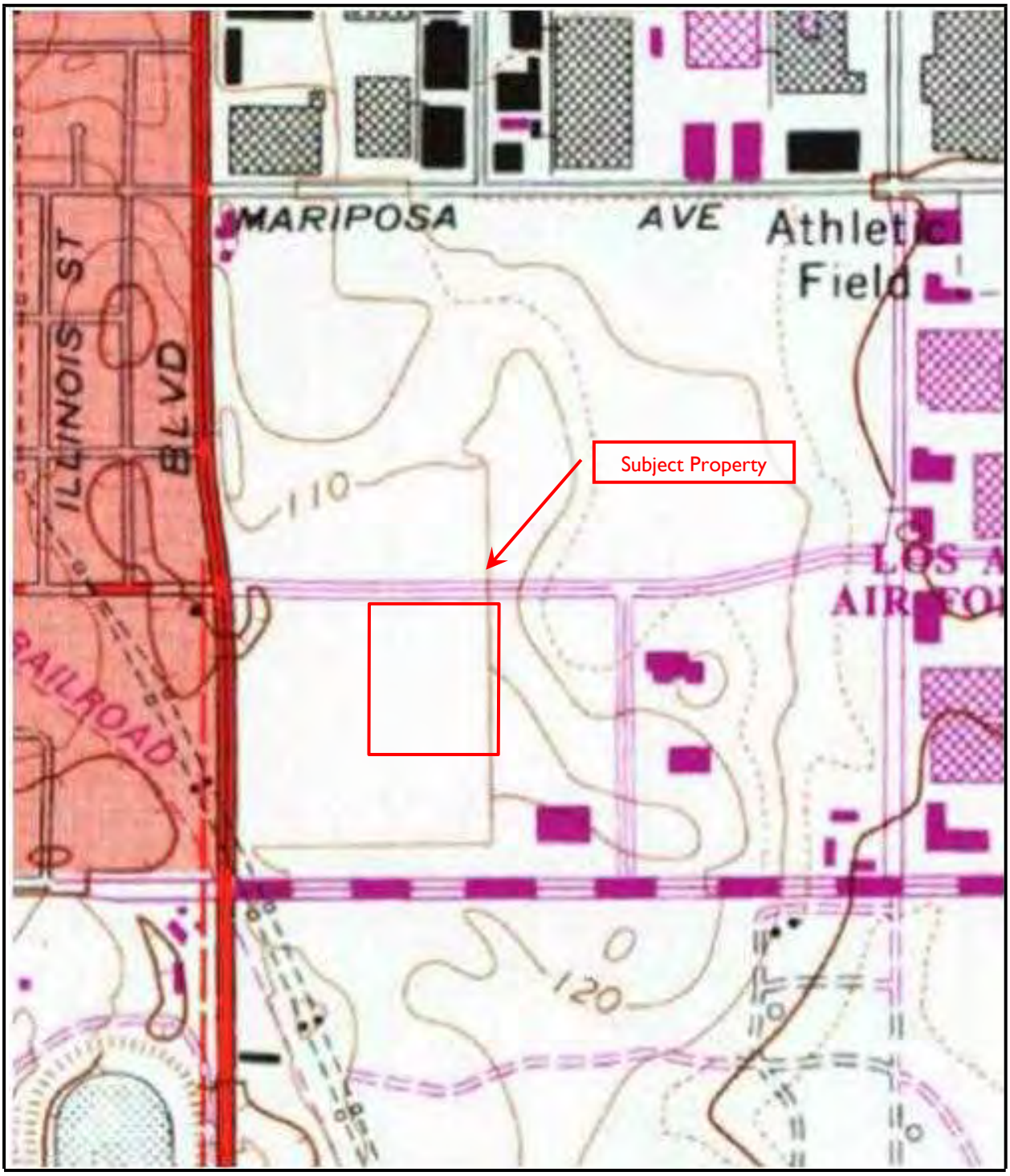
USGS Topographic Map

Year: 1964



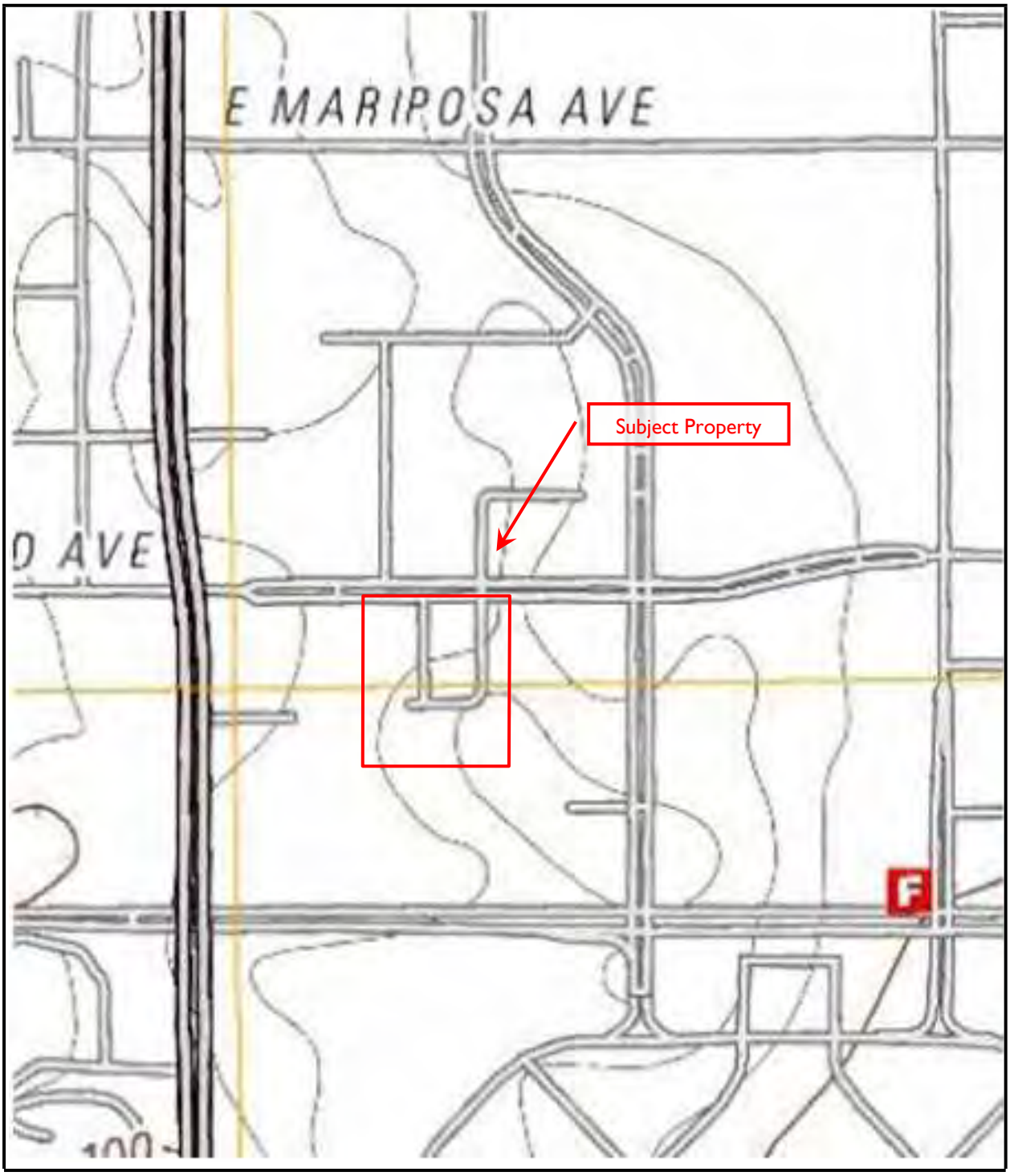
USGS Topographic Map

Year: 1972



USGS Topographic Map

Year: 1981



USGS Topographic Map

Year: 2012

Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, CA 90245

Inquiry Number: 4741664.3
September 30, 2016

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/30/16

Site Name:

Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, CA 90245
EDR Inquiry # 4741664.3

Client Name:

EnviroBusiness, Inc.
21 B Street
Burlington, MA 01803
Contact: Production Manager

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Grand Avenue Courtyard
1960 East Grand Avenue
El Segundo, CA 90245

Inquiry Number: 4741664.6
September 30, 2016

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone Co	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell Telephone Co	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	X	-	X	-
1990	Pacific Bell	X	X	X	-
	Pacific Bell Telephone Co	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directroy Co Publisher	-	X	X	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1960 East Grand Avenue
El Segundo, CA 90245

FINDINGS DETAIL

Target Property research detail.

E GRAND AVE

1960 E GRAND AVE

Year	*Uses*	*Source*
2013	A F I CALIF INC	Cole Information Services
	ACCESS ONE INC	Cole Information Services
	AIR NEW ZEALAND LIMITED	Cole Information Services
	AJILON CONSULTING	Cole Information Services
	CADENCE	Cole Information Services
	COLUMBUS TECHNOLOGIES & SERVICES	Cole Information Services
	CORAMERICA CAPITAL LLC	Cole Information Services
	DATACONTOUR	Cole Information Services
	EMPIRE SECURITIES CORP	Cole Information Services
	EPSON ELECTRONICS AMERICA INC	Cole Information Services
	FUHU INC	Cole Information Services
	GRANDPOINT CAPITAL INC	Cole Information Services
	JUST DOWNSTAIRS 1960	Cole Information Services
	LIBERTY ELECTRONIC PAYMENT SERVICES	Cole Information Services
	LUCIX CORP	Cole Information Services
	NIKKEI AMERICA INC	Cole Information Services
	PINPOINT RESOURCE GROUP LLC	Cole Information Services
	REIMANN LAW GROUP	Cole Information Services
	RIEDL MCCLOSKEY & WARING LLP	Cole Information Services
	RIESTERROBB	Cole Information Services
	SOFTWARE MANAGEMENT CONSULTANTS INC	Cole Information Services
	SYSENSE INC	Cole Information Services
	TEAM ONE ADVERTISING	Cole Information Services
	TECHNOLOGY TRAINING CORP	Cole Information Services
	THE REALTY ASSOCIATE	Cole Information Services

FINDINGS

Year	Uses	Source
2013	THINKPETS INC	Cole Information Services
	WAXIER CARNER WEINREB LLP	Cole Information Services
	WYLE LABORATORIES	Cole Information Services
2008	AEON NET COMMUNICATIONS INC	Cole Information Services
	AIR NEW ZEALAND	Cole Information Services
	AJILON CONSULTING	Cole Information Services
	APPLIED WAVE RESEARCH INC	Cole Information Services
	BELL INDUSTRIES	Cole Information Services
	CAFE NICOLE	Cole Information Services
	CAPITOL TAX ASSOCS INC	Cole Information Services
	CATHAY PACIFIC AIRWAYS LIMITED	Cole Information Services
	CIIIS LLC	Cole Information Services
	DATA CONTOUR	Cole Information Services
	E PSON AMERICA	Cole Information Services
	EXCELA INC	Cole Information Services
	GOODIES OF EL SEGUNDO	Cole Information Services
	H SILVER & ASSOCIATES	Cole Information Services
	INVESTMENT & RETIREMENT STRATEGIES I	Cole Information Services
	LAN AIRLINES	Cole Information Services
	LOWE ENTERPRISES	Cole Information Services
	MARTIN PROGRESSIVE LLC	Cole Information Services
	MICROSTRATEGY INC	Cole Information Services
	MICROWAVE OFFICE	Cole Information Services
	PACIFIC COAST CAPITAL PARTNERS	Cole Information Services
	PACIFIC SWELL NETWORKS INC	Cole Information Services
	REIMANN LAW GROUP	Cole Information Services
	SOFTWARE MANAGEMENT CONSULTANTS INC	Cole Information Services
	TEAM ONE	Cole Information Services
	TECHNOLOGY TRAINING CORP	Cole Information Services
	TRANS AMERICA LABELS	Cole Information Services
	UNITED AIRLINES	Cole Information Services
	UNITED AIRLINES LONG BEACH	Cole Information Services
	WAXLER CARNER WEINREB BRODSKY LLP	Cole Information Services
	WHITSON ENGINEERS	Cole Information Services
	WYLE LABORATORIES INC	Cole Information Services
2001	BUILDING AEONCORP	Haines & Company, Inc.
2000	+ 1210 WAXLER CARKER WEINREB LLP	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
2000	+ 1210 WAXLERCARKERWEIRREB LLP	Pacific Bell Telephone Co
	+ 530 APPLIED WAVE RESEARCH INC	Pacific Bell Telephone Co
	1000 SILVER H & ASSOCIATES	Pacific Bell Telephone Co
	1000 TECHNOLOGY TRAINING CORP	Pacific Bell Telephone Co
	1090 SYSTEM ONE CORP	Pacific Bell Telephone Co
	1225 INFORMIX SOFTWARE	Pacific Bell Telephone Co
	150 GOODIES RESTAURANT	Pacific Bell Telephone Co
	500 PACIFIC COAST CAPITAL PARTNERS	Pacific Bell Telephone Co
	510 HINES INTEREST LIMITED PARTNERSHIP	Pacific Bell Telephone Co
	510 ROSSETTI ASSOCIATES ARCHITECTS	Pacific Bell Telephone Co
	510 ROSSETTIASSOCIATES ARCHITECTURAL	Pacific Bell Telephone Co
	520 LAN CHILE AIRLINES SALES OFC	Pacific Bell Telephone Co
	530 APPLIED WAVE RESEARCH INC	Pacific Bell Telephone Co
	540 INVESTMENT & RETIREMENT STRATEGIES INC	Pacific Bell Telephone Co
	550 AEON CORP	Pacific Bell Telephone Co
	555 AJILON SERVICES INC	Pacific Bell Telephone Co
	560 BELL INDUSTRIES	Pacific Bell Telephone Co
	570 RW SMITH & ASSOCIATES INC	Pacific Bell Telephone Co
	610 MARTINIESIGNASSOCIAii TES	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	MARTIN PROGRESSIVE LLC	Pacific Bell Telephone Co
	SOFTWARE MANAGEMENT CONSULTANTS INC	Pacific Bell Telephone Co
	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
1995	+ 520 LAN CHILE AIRLINES SALES OFC	Pacific Bell Telephone Co
	+ 530 QUEBECOR PRINTING USA CORP	Pacific Bell Telephone Co
	+ 560 PAC NET	Pacific Bell Telephone Co
	1070 CITICORP INDUSTRIAL CREDIT INC	Pacific Bell Telephone Co
	1100 AERO CALIFORNIA	Pacific Bell Telephone Co
	160 CAMERA	Pacific Bell Telephone Co
	500 OPEN UNIVERSAL SOFTWARE INC	Pacific Bell Telephone Co
	510 HOMART DEVELOPMENT	Pacific Bell Telephone Co
	540 INVESTMENT	Pacific Bell Telephone Co
	550 FINN PARTNERS INC	Pacific Bell Telephone Co
	555 COMPUTER PEOPLE OF CALIF INC IN	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	BUSINESS RESEARCH CENTER	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1995	Contd	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	MOUNT COOK TOURS	Pacific Bell Telephone Co
	PILOT SOFTWARE	Pacific Bell Telephone Co
	RETIREMENT STRATEGIES INC	Pacific Bell Telephone Co
	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
1991	Max Sacks International	Pacific Bell
	Sacks Max International	Pacific Bell
	Sacks Melvyn Douglas A Law Corp	Pacific Bell
	Sacks Michael VENICE 3929864	Pacific Bell
1990	AERO CALIFORNIA REGIONAL SALES OFFICE EL SEGUNDO	Pacific Bell
	+ 660 ELECTRONIC SECURITY SERVICES INC	Pacific Bell Telephone Co
	110 PERSONAINC	Pacific Bell Telephone Co
	150 OASIS CAFE	Pacific Bell Telephone Co
	510 HOMART DEVELOPMENT	Pacific Bell Telephone Co
	520 DESTINATION SOUTH PACIFIC	Pacific Bell Telephone Co
	530 ARCATA GRAPHICS GROUP	Pacific Bell Telephone Co
	540 RML FINANCIAL	Pacific Bell Telephone Co
	550 BBN COMMUNICATIONS CORP	Pacific Bell Telephone Co
	560 MAX SACKS INTERNATIONAL	Pacific Bell Telephone Co
	650 PANSOPHIC SYSTEMS INC	Pacific Bell Telephone Co
	660 BIGHAM GILSON & MCLAINIE	Pacific Bell Telephone Co
	660 SULLIVAN ED ASSOCIATES	Pacific Bell Telephone Co
	830 HERCGENRATHER & CO	Pacific Bell Telephone Co
	AIR NEW ZEALANBD	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	DOMINOS PIZZA	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	JETSET ASIA DIVISION	Pacific Bell Telephone Co
	JETSET TOURS	Pacific Bell Telephone Co
	MOUNT COOK TOURS	Pacific Bell Telephone Co
	POWERMARKETING INC	Pacific Bell Telephone Co
	TEAM ONE ADVERTISING	Pacific Bell Telephone Co
	WELLS FARGO REALTY ADVISORS	Pacific Bell Telephone Co

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E GRAND AVE

1908 E GRAND AVE

Year	Uses	Source
2001	CARSRUDAL	Haines & Company, Inc.

1917 E GRAND AVE

Year	Uses	Source
2008	OUT SOURCE TECHNICAL LLC	Cole Information Services

1930 E GRAND AVE

Year	Uses	Source
2008	CADENCE DESIGN	Cole Information Services
2001	CADENCE DESIGN	Haines & Company, Inc.
2000	CADENCE DESIGN	Pacific Bell Telephone Co

1938 E GRAND AVE

Year	Uses	Source
1933	Mc DONOUGH Thos E	Los Angeles Directory Co.

1940 E GRAND AVE

Year	Uses	Source
2008	OCEUSA	Cole Information Services
	OCE NORTH AMERICA INC	Cole Information Services

1955 E GRAND AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	UNITED AIRLINES CAFETERIA	Pacific Bell Telephone Co
1990	UNITED AIRLINES TICKET OFFICES	Pacific Bell
1986	UNITED AIRLINES TICKET OFFICES	Pacific Bell
1985	UNITED AIRLINES AIR CARGO	Pacific Bell
1981	UNITED AIRLINES TICKET OFFICES	Pacific Telephone

1970 E GRAND AVE

Year	Uses	Source
2013	DAVISREPLOGLE & ASSOCIATES	Cole Information Services

FINDINGS

Year	Uses	Source
2013	SHAKEYS FRANCHISED DEALERS ASSOCIAT	Cole Information Services
	M TC TECHNOLOGIES	Cole Information Services
	JUDGE & JUDGE CPAS	Cole Information Services
	INVESTMENT & RETIREMENT	Cole Information Services
	LACUSC FORMER RESIDENTS	Cole Information Services
	ALLIANCE OF AREA BUSINESS PUBLICATIO	Cole Information Services
	ATLAS PAIN MANAGEMENT	Cole Information Services
	L A OBSTETRICAL & GYNECOLOGICAL SOCI	Cole Information Services
	CITY & REGIONAL MAGAZINE ASSOCIATION	Cole Information Services
	BEACH CAPITAL FINANCIAL CORP	Cole Information Services
	STREAMLINED FUSION	Cole Information Services
	EMPYREAN BILLING SOLUTIONS	Cole Information Services
	LOS ANGELES SURGICAL SOCIETY	Cole Information Services
	AMERICAN FOUNDATION OF MEDICAL ACUPU	Cole Information Services
	PARENTING PUBLICATIONS OF AMERICA	Cole Information Services
	FUTUREKIDS	Cole Information Services
	AMERICAN PROPERTY TAX COUNSEL	Cole Information Services
	AMERICAN COLLEGE OF SURGEONS SOUTHER	Cole Information Services
2008	SKYHAWK TELECOM	Cole Information Services
	GLOBAL CROSSING NORTH AMERICA INC	Cole Information Services
	COMCAST CBLE COMMUNICATIONS	Cole Information Services
	CONSOLIDATED ENGRG SERVICES INC	Cole Information Services
	INVESTMENT RETIREMENT STRATEGIES	Cole Information Services
	MTC TECHNOLOGIES	Cole Information Services
	KERSTNER CO	Cole Information Services
	OUTSOURCE TELECOM LLC	Cole Information Services
	TICKETCLUB LLC	Cole Information Services
	MTC TECH AMCOMP DIVISION	Cole Information Services
	NEOS MERCHANT SOLUTIONS INC	Cole Information Services
	O S 1 LLC	Cole Information Services
	TOPVUE DEFENSE INC	Cole Information Services
2001	i FRONTIER	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
2000	SUMMIT COMMERCIALLOG ASSET MANAGEMENT	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	REAL ESTATE NEWS TELEVISION	Pacific Bell Telephone Co
	100 FRONTIER COMMUNICATIONS	Pacific Bell Telephone Co
	GRAND AV E	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	Contd	Pacific Bell Telephone Co

1985 E GRAND AVE

Year	Uses	Source
2013	DOUBLETREE BY HILTON LAX EL SEGUND	Cole Information Services
	DOUBLETREE	Cole Information Services
2008	C C W TRI STAR MANAGEMENT LP	Cole Information Services
	DOUBLETREE HOTEL LOS ANGELES AIRPORT	Cole Information Services
	DOUBLE TREE HOTEL	Cole Information Services
2001	DOUBLETRE	Haines & Company, Inc.
2000	KATHY GIFT SHOP	Pacific Bell Telephone Co
	DOUBLETREE CLUB HOTEL LA INTERNATIONAL	Pacific Bell Telephone Co
1995	K JS GIFTS	Pacific Bell Telephone Co
	HOTEL LA INTERNATIONAL	Pacific Bell Telephone Co
	DOUBLETREE CLUB	Pacific Bell Telephone Co
1990	COMPRI HOTEL	Pacific Bell Telephone Co
	COMPRI HOTEL EL SEGUNDO	Pacific Bell

1990 E GRAND AVE

Year	Uses	Source
2013	AD2 INC	Cole Information Services
	STAMPS COM	Cole Information Services
	AIR TAHITI NUI	Cole Information Services
2008	JUDGE & JUDGE CPAS	Cole Information Services
	3009 POINSETTIA LLC	Cole Information Services
	THE NORCROSS CORP	Cole Information Services
	PREFERRED CONVENTION SERVICES INC	Cole Information Services
	MATTITUDE INC	Cole Information Services
	PROPERTY TAX REDUCTION SPECIALISTS	Cole Information Services

FINDINGS

Year	Uses	Source
2008	AIR TAHITI NUI	Cole Information Services
	THE LAWRENCE CO	Cole Information Services
	TIGER FEDERAL CREDIT UNION	Cole Information Services
	AD2 INC	Cole Information Services
	USNW EXPRESS	Cole Information Services
	BEACH CAPITAL FINANCIAL	Cole Information Services
	ELM INSURANCE BROKERS INC	Cole Information Services
	AD II INC	Cole Information Services
2000	ADVANCED HI TECH CORP	Pacific Bell Telephone Co
1995	HUGHES COMMUNICATIONS INC	Pacific Bell Telephone Co
1990	HUGHES COMMUNICATIONS SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS CARRIER SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS GALAXY INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS SATELLITE SERVICES INC EL SEGUNDO	Pacific Bell
	HUGHES COMMUNICATIONS INC	Pacific Bell Telephone Co

2075 E GRAND AVE

Year	Uses	Source
1940	Whitchurch J D	Los Angeles Directroy Co Publisher

2089 E GRAND AVE

Year	Uses	Source
1940	Mead R W	Los Angeles Directroy Co Publisher

GRAND AVE

1960 GRAND AVE

Year	Uses	Source
2000	EPSON AMERICA	Pacific Bell Telephone Co

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1960 East Grand Avenue	2006, 2004, 2003, 1999, 1996, 1992, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1908 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1917 E GRAND AVE	2013, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1930 E GRAND AVE	2013, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1930 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1938 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1940 E GRAND AVE	2013, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1955 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1960 GRAND AVE	2013, 2008, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1970 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1970 E GRAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1985 E GRAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1985 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1990 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1990 E GRAND AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2075 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
2089 E GRAND AVE	2013, 2008, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX G

PORTIONS OF PREVIOUS REPORTS

January 26, 2007

Michael Alarcon
Project Manager, Due Diligence
LOWE ENTERPRISES
11777 San Vicente Boulevard, Suite 900
Los Angles, California 90049-6615

Clayton Project No. 33106-006851.00

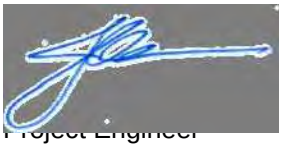
Subject: Phase I Environmental Site Assessment
1940 and 1960 East Grand Avenue
El Segundo, California

Dear Mr. Alarcon:

Clayton Group Services, Inc., *A Bureau Veritas Company*, (Clayton) is pleased to present our Phase I Environmental Site Assessment report for the above-referenced Site. Six report copies are enclosed.

We appreciate this opportunity to be of service. If you have any questions or need additional assistance, please contact me.

Sincerely,



Project Engineer
Environmental Services
925.426.2662
john.glover@us.bureauveritas.com

JDG/jdg

Enclosure

Clayton Group Services, Inc.

A Bureau Veritas Company
6920 Koll Center Parkway, Suite 216
Pleasanton, California 94566

Main: (925) 426-2600
Fax: (925) 426-0106
www.us.bureauveritas.com

Phase I Environmental Site Assessment

1940 and 1960 East Grand Avenue
El Segundo, California

January 26, 2007
33106-006851.00

Prepared for
Lowe Enterpriese
Los Angles, California

BUREAU VERITAS
For the benefit of business and people

Clayton Group Services, Inc.
A Bureau Veritas Company
6920 Koll Center Parkway
Pleasanton, California 94566
925.426.2600
www.us.bureauveritas.com

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EXECUTIVE SUMMARY

Michael Alarcon of Lowe Enterprises retained Clayton Group Services, Inc., *A Bureau Veritas Company*, (Clayton) to conduct an ASTM E 1527-05 compliant Phase I Environmental Site Assessment (ESA) in conjunction with a prospective sale of property known as Grand Avenue Courtyard and located at 1940 and 1960 East Grand Avenue in El Segundo, Los Angeles County, California (subject property). The 5.37-acre subject property is also identified by assessor parcel numbers (APNs) 4138-007-065 and -066, which are reportedly owned by Commonwealth Grand Avenue Corp. During this ESA, Clayton discovered and researched no historical addresses or APNs, except for APN 4138-007-049.

The subject property is developed with a nearly 260,000-square-foot, 12-story, office building at 1960 East Grand Avenue; an 11-story (9 above grade and 2 sub grade levels) parking structure at 1940 East Grand Avenue; an asphalt-paved parking lot; and landscaping. Driveways off East Grand Avenue provide access. In addition to offices, a café is located on the ground floor of the office building. Support facilities include backup power, surplus water storage, and roof-mounted equipment.

In 1928 the subject property and surrounding area appear to have been agriculturally cultivated. By 1938 oil exploration dominated much of the area; the subject property featured an AST and a bermed pit, which were removed by 1947 – the area was known as the El Segundo Oil Field. Thereafter until the mid 1970s when modern land configuration emerged, the subject property and adjoining properties were graded from time to time. The current office building and parking garage were built on the subject property around 1988 and the land uses have remained commercial office since.

Regarding the former El Segundo Oil Field, no oil or gas wells are known to have been present on the subject property, but there was an AST and a bermed pit in 1938. Soil investigations conducted on the subject property in the 1980s revealed the presence of petroleum hydrocarbon odors and stains within fill materials to depths of nearly 20 feet bgs. A limited amount of analytical testing detected no petroleum hydrocarbons in the fill. Regulatory agencies have not required that the subject property or surrounding areas investigate historical oil field uses. In addition, the underlying fill material at the subject property is covered with buildings, parking lots, or engineered landscaping, all of which minimize human exposure to the underlying fill. Furthermore, groundwater is first encountered around 100 feet below ground surface, which is well below the extent of the fill, and is unlikely to have been impacted from subject property activities. Therefore, this finding is a historic, but not a current recognized environmental condition (REC).

This ESA has revealed no evidence of current RECs in connection with the subject property. Clayton recommends no additional assessment at this time.

1.0 INTRODUCTION

Michael Alarcon of Lowe Enterprises retained Clayton Group Services, Inc., *A Bureau Veritas Company*, (Clayton) to conduct an ASTM E 1527-05 compliant Phase I Environmental Site Assessment (ESA) in conjunction with a prospective sale of property known as Grand Avenue Courtyard and located at 1940 and 1960 East Grand Avenue in El Segundo, Los Angeles County, California (subject property). The 5.37-acre subject property is also identified by assessor parcel numbers (APNs) 4138-007-065 and -066, which are reportedly owned by Commonwealth Grand Avenue Corp. During this ESA, Clayton discovered and researched no historical addresses or APNs, except for APN 4138-007-049. Figure 1 shows the approximate subject property location.

1.1 PURPOSE

The main purpose of this ESA is to permit a user to satisfy one of the requirements to qualify for landowner liability protections under the CERCLA. This ESA may also help a user better understand business environmental risks. Towards these ends and consistent with good commercial and customary practice, this ESA is designed to identify recognized environmental conditions (RECs) as well as *de minimis* conditions in connection with the subject property by performing all appropriate inquiry into subject property ownership and use as well as into uses of adjoining properties and surrounding areas within approximate minimum search distances from the subject property.

1.2 METHODOLOGY

Clayton conducted this ESA in conformance with ASTM Designation: E 1527-05 *Standard Practice for ESAs: Phase I ESA Process*. The scope of work and the terms and conditions are described in the Clayton's November 28, 2006 Proposal No. 3303.06.707. Qualified personnel working under the responsible charge of an environmental professional conducted this ESA (Appendix A). This ESA includes the following parts: reconnaissance, interviews, records review, and evaluation. In addition, Clayton evaluated the following non-ASTM issues: asbestos, lead, radon, and mold.

1.3 LIMITATIONS

Clayton obtained information for this ESA from various sources (Appendix B), and to the extent it was relied on to form our opinion, this information is assumed to be correct and complete. Clayton is not responsible for the quality or content of information from these sources. Clayton encountered no significant data gaps or limitations, except for the following:

- Clayton has not reviewed records from Los Angeles County Fire Department. Based on the other gathered information, records from these sources would likely be cumulative. Therefore, this limitation is not a significant data gap.
- Clayton identified obvious subject property uses from the present back to 1928, which is data failure since the timeline does not extend back to the earlier of first developed use or 1940. Based on

Clayton's experience, information about prior subject property uses is not reasonably ascertainable or likely to be useful, and this data failure is not a significant data gap.

This ESA is exclusively for use by Lowe Enterprises. Clayton will not distribute or publish this report without consent, unless required by law. Clayton conducted this ESA in response to a limited assignment, and the information and opinions expressed in this report should be considered and implemented only in light of that assignment. Clayton's services in completing this ESA were consistent with normal standards of the profession. Clayton makes no other warranty, expressed or implied.

2.0 RECONNAISSANCE

On December 19, 2006 John D. Glover, P.E. with Clayton performed visual reconnaissance of the subject property, adjoining properties, and surrounding area. Mr. Alarcon, Don McCurry, and Christine Larkin-Ortiz each with Lowe Enterprises provided access to the subject property and accompanied Mr. Glover. Interior and exterior areas were systematically traversed on foot; adjoining properties were observed on foot from the subject property and public thoroughfare; the surrounding area was viewed from a vehicle. Photographs are appended. Figure 2 depicts a subject property plan.

2.1 SUBJECT PROPERTY USE

The subject property is developed with a nearly 260,000-square-foot, 12-story, office building at 1960 East Grand Avenue; an 11-story (9 above grade and 2 sub grade levels) parking structure at 1940 East Grand Avenue; an asphalt-paved parking lot; and landscaping. Driveways off East Grand Avenue provide access. In addition to offices, a café is located on the ground floor of the office building. Support facilities include backup power, surplus water storage, and roof-mounted equipment.

2.1.1 Hazardous Substances and Petroleum Products

Indications of the use, storage, or disposal of hazardous substances and petroleum products include manufacturing activities, drums, containers, stressed vegetation, stains, sheen, and heating/cooling systems. Clayton observed no such indications, except for the following:

- Diesel fuel for backup power generation – one 120-gallon and two 75-gallon aboveground storage tanks (ASTs) are located beneath generators in office building ground floor equipment rooms.
- Biocides and other water treatment chemicals – two 55-gallon drums and several 5-gallon buckets are stored on the office building roof near a cooling tower.
- Roof sealing compound – about 80, 5-gallon buckets temporarily are staged in an office building ground floor storage room.
- Janitorial materials – various typical cleaners in quart to gallon containers are stored on shelves located in an office building ground floor storage room.

- Paints and varnishes – several pint to gallon containers are stored in flammable materials cabinets located in a parking structure lowest floor secured area.
- Car wash soap – a 5-gallon tote is staged in a corner of one parking structure level.

The observed hazardous materials and petroleum products as well as the storage and use areas appeared well maintained. Clayton observed no evidence of leaks, stains, or other indications of releases. The diesel ASTs, water treatment chemicals, and flammables were secondarily contained.

2.1.2 Underground Storage Tanks (USTs)

Indications of USTs include vent piping, dispensing equipment, pavement variations, and fill ports. Clayton observed no indications of USTs, except for a 22,500-gallon water storage reservoir. This UST is a concrete basin that measures approximately 17 by 14 by 12.5 feet deep. A covered manway is located in an office building ground floor equipment room (the same room as the backup generators).

2.1.3 Aboveground Storage Tanks (ASTs)

Indications of ASTs include pavement bolts, containers, reservoirs, and generators. Clayton observed no indications of ASTs, except for the following: one 120-gallon diesel, two 75-gallon diesel ASTs, and a 250-gallon wash water AST. The diesel ASTs are located in the office building ground floor equipment rooms. They support backup power generation for emergency lights and fire suppression pumps. The diesel ASTs were secondarily contained, and appeared undamaged and well maintained; Clayton observed no evidence of releases. The wash water AST collects runoff generated from car washing performed within a bermed area located in a corner of the parking garage. During a wash, soapy water is continuously pumped into this AST.

2.1.4 Liquid Waste

Indications of liquid waste include discharge sources such as sumps, drains, clarifiers, pools of liquid, pits, ponds, lagoons, septic systems, wastewater, and storm water. Clayton observed no indications of discharge sources, except for cooking grease, car wash water, regular sanitary waste, and storm water. One 55-gallon drum of waste cooking grease (vegetable oil) is stored near a refuse bin closet; a commercial recycler regularly off-hauls this waste. Wash water is regularly off-hauled by the car wash operator, Wally's. The sanitary waste discharges through typical floor drains, toilets, and sinks to the municipal sewer. Storm water flows through roof drains or via sheet flow to the municipal storm sewer; also, a sump in the lowest parking garage level collects runoff that is pumped into the sanitary sewer.

2.1.5 Solid Waste

Indications of solid waste disposal include mounding, depressions, fill material, bins, debris, and active human use. Clayton observed no indications of solid waste disposal, except for general office refuse and recyclables, which are collected in roll-off bins located on the office building ground floor. These are regularly removed by a commercial hauler.

2.1.6 Polychlorinated Biphenyls (PCBs)

Indications of PCBs include transformers, capacitors, elevators, lifts, light ballasts. Clayton observed no indications of PCBs, except for a pad-mounted, liquid-cooled transformer, a hydraulic refuse compactor, light ballasts, and seven elevators. The transformer is located near the parking structure, the compactor is located in an office building ground floor equipment room, and the light ballasts are located throughout the office building. These are self-contained, and Clayton observed no evidence of releases or stains near this equipment. The elevators are cable-drawn and have no hydraulic hoists.

2.1.7 Wells

Indications of wells (e.g., supply, irrigation, monitor, injection, dry, abandoned, or other) include protruding pipes, cover plates, pumps, small sheds, large water storage containers, and mounded grout. Clayton observed no indications of wells.

2.2 ADJOINING PROPERTY AND SURROUNDING AREA USE

Adjoining property and surrounding area uses are primarily commercial. These uses include the following:

- North: LAX Business Center office complex (300, 360, 390 North Sepulveda Boulevard), Mattel corporate offices (1955 East Grand Avenue), and a hotel.
- East: Two multi-tenant office buildings (1970 and 1990 East Grand Avenue), and a multi-tenant office building (201 Continental Boulevard).
- South: Asphalt-paved parking lot.
- West: 11-story parking garage for Pacific Corporate Towers (222 North Sepulveda Boulevard).

3.0 INTERVIEWS

At various times during December 2006 John D. Glover, P.E. with Clayton conducted or attempted to conduct interviews. Unless otherwise noted, interviewed persons were generally forthcoming.

3.1 USER

A user is Lowe Enterprises. Clayton interviewed Mr. Alarcon, who completed a User Questionnaire (Appendix C). In summary, this user has no specialized knowledge or experience, and is not aware of environmental liens; activity and use limitations (AULs); or indications of chemicals, contamination, or cleanups associated with the subject property. In addition, this user believes that the price for the subject property reasonably reflects its fair market value.

3.2 PRESENT OWNERS, OPERATORS, AND OCCUPANTS

The present owner and operator is Commonwealth Grand Avenue Corp., which is a part of Lowe Enterprises. On December 19, 2006 Clayton interviewed owner representatives Mr. McCurry and Ms. Larkin-Ortiz, each of whom have years of knowledge regarding subject property use. They stated that Southern California Gas provides natural gas, Southern California Edison provides electricity, and that water and sewer are municipal. Neither was aware of any USTs, wells, or septic systems at the subject property (except for the current water reservoir).

3.3 PAST OWNERS, OPERATORS, AND OCCUPANTS

Clayton identified no past owners, operators, and occupants whose information is likely not duplicative. Therefore, Clayton interviewed none of the identified past owners, operators, and occupants.

3.4 NEARBY PROPERTY OWNERS AND OCCUPANTS

The subject property is not abandoned. Thus, Clayton interviewed no nearby owners and occupants.

3.5 GOVERNMENT OFFICIALS

Clayton attempted to interview inspectors at the Los Angeles County Fire Department – Health Hazardous Materials Division. Department representatives have insisted on following the formal file review request process, and therefore were unavailable for interview.

4.0 RECORDS REVIEW

Clayton reviewed records pertaining to the subject property. In addition, where practicable, Clayton reviewed records indicating uses at adjoining properties and surrounding area within approximate minimum search distances from the subject property.

4.1 PHYSICAL SETTING

4.1.1 Physiography

Clayton reviewed the 1981 United States Geological Survey (USGS) 7.5-Minute Series Venice, Calif. topographic map. This map shows the subject property vacant of structures and land features. Elevation is about 110 feet above mean sea level (amsl). Topography is relatively flat with a gentle, westerly downward slope. The nearest surface water appears to be Pacific Ocean about 2.1 miles west.

4.1.2 Geology

Clayton reviewed United States Department of Agriculture (USDA) soils information presented in a database search report prepared by Environmental Data Resources (EDR). The United States Soil

Conservation Service classifies soil at the subject property as Delhi, which predominately consists of coarse grained sand to depths of at least 70 inches below ground surface (bgs).

Clayton also reviewed a 1986 LeRoy Crandall and Associates geotechnical investigation report performed prior to the construction of the current office building. Soils encountered in the exploratory test borings generally consisted of dark gray, brown, and reddish-brown fill sands from the surface to depths of approximately 8.0 feet bgs. Yellowish brown sands were encountered from 8.0 to 27 feet bgs. Fine sands were found from 27 to about 87 feet bgs. Intermittent layers of sandy and clayey silts were found from 87 to 101 feet bgs (the deepest depth explored). In addition, during grading operations conducted during the early 1970s, fill material was found at depths ranging from 4.0 to 19 feet bgs.

4.1.3 Hydrology

According to the 1986 geotechnical report, groundwater was not encountered in the exploratory borings, which ranged in depths from 23 to 101 feet bgs. Near saturated soils suggestive of an intermittently perched groundwater zone, however, were encountered at approximately 80 feet bgs.

Clayton also reviewed groundwater information for facilities in the surrounding area. In October 2004, groundwater was about 90 feet bgs and flowed northeasterly at 225 South Aviation Boulevard (located about 3,500 feet east and slightly south). In May 2006, groundwater was about 80 feet bgs and flowed southeasterly at 850 South Sepulveda Boulevard (about 1 mile due south). In May 2005, groundwater was about 93 feet bgs and flowed southwesterly at 140 Standard Street (located about 1 mile due west). These data tend to confirm Clayton's experience that Sepulveda Boulevard generally defines a hydraulic divide whereby groundwater flows westerly to the west and easterly to the east of the boulevard. Note: Actual groundwater flow may be influenced by permeability differences or by pumping/recharge, and may deviate from regional trends.

4.2 FIRE INSURANCE MAPS

Clayton requested fire insurance maps of the subject property, adjoining properties, and surrounding area from the EDR collection. Reportedly, no map coverage exists.

4.3 AERIAL PHOTOGRAPHS

Clayton reviewed aerial photographs of the subject property, adjoining properties, and surrounding area from the EDR collection. Photograph summaries follow.

- **1928 Fairchild; Scale: 1"= 500'**

  The subject property, adjoining properties, and surrounding area appear as cultivated fields; numerous small structures resembling residences line these fields to the east. An apparent agriculture reservoir lies in the northeastern corner of the subject property. About 0.25 miles to the southwest are at least three large ASTs and an apparent petroleum storage surface impoundment.

- **1938 Laval; Scale: 1”= 555’**

  The subject property, adjoining properties, and surrounding area still have apparent cultivated fields. The area also appears associated with oil extraction and storage. For example, the probable residences to the east are largely gone, and several areas have cylindrical ASTs and apparent oil wells. On the subject property, one AST in a bermed area is in the southeastern corner, a bermed pit sits near the center; and two rectangular structures lie in the northeastern corner; no oil wells appear on the subject property. A road and a facility with several ASTs are on the eastern adjoining property.

- **1947 Fairchild; Scale: 1”= 666’**

  The subject property, adjoining properties, and surrounding area no longer appear cultivated, and there are fewer ASTs in the area. There is no AST on the subject property, the two rectangular structures are gone, and the bermed areas no longer appear in use. The northern portion of the subject property and the northern and southern adjoining properties appear graded.

- **1956 Fairchild; Scale: 1”= 400’**

  The subject property, adjoining properties, and surrounding area generally appear unchanged, except that the central and western areas of the subject property appear graded. Oil wells are no longer readily apparent in the area.

- **1965 Fairchild; Scale: 1”= 666’**

  The subject property, adjoining properties, and surrounding area have much fewer developments. The subject property and northern, southern, and western adjoining properties are graded. The eastern adjoining AST facility is mostly dismantled.

- **1976 Teledyne; Scale: 1”= 666’**

  The subject property is an unimproved lot. The northern adjoining property is a road resembling the current Grand Avenue and unimproved land. The eastern and western adjoining properties are also unimproved land. The southern adjoining property resembles the current parking lot.

- **1989 USGS; Scale: 1”= 666’**

  The subject property, adjoining properties, and surrounding area generally appear as they do today. Structures resembling the office building, parking garage, parking lot, and landscaping are on the subject property in their current configuration. Commercial-type buildings are on the northern, eastern, and western adjoining properties; the parking lot remains on the southern adjoining property.

- **1994 USGS; Scale: 1”= 666’**

  The subject property, adjoining properties, and surrounding area generally appear unchanged.

- **2002 USGS; Scale: 1”= 666’**

  The subject property, adjoining properties, and surrounding area generally appear unchanged.

4.4 TOPOGRAPHIC MAPS

Clayton reviewed USGS topographic maps of the subject property, adjoining properties, and surrounding area from the EDR collection. Map summaries follow.

- **1896 USGS 15-Minute Series Redondo, California; Scale: 1: 62,500**

  The subject property, adjoining properties, and surrounding area appear unimproved.

- **1924 USGS 6-Minute Series Inglewood, California; Scale: 1: 24,000**

  The subject property, adjoining properties, and surrounding area appear unimproved. Large surface impoundments and ASTs associated with Standard Oil Company are about 0.25 miles southwest.

- **1930 USGS 6-Minute Series Inglewood, California; Scale: 1: 24,000**

  The subject property, adjoining properties, and surrounding area appear unimproved.

- **1948 USGS 15-Minute Series Redondo, California; Scale: 1: 50,000**

  The subject property, adjoining properties, and surrounding area appear unimproved, except that the notation “Oil Wells” describes the subject property vicinity; specific well locations are not depicted. A Standard Oil Company Refinery is about 0.25 miles southwest, and Los Angeles International Airport is about 0.75 miles north.

- **1950 USGS 7.5-Minute Series Venice, California; Scale: 1: 24,000**

  The subject property and northern adjoining property appear unimproved. Roads lie near the eastern, western, and southern adjoining properties; about nine oil wells are in the surrounding area. The nearest well is about 200 feet west.

- **1964 USGS 7.5-Minute Series Venice, California; Scale: 1: 24,000**

  The subject property and northern, western, and southern adjoining properties appear unimproved. The adjoining roads and surrounding oil wells (nearest 1,200 feet east) are limited to eastern areas; the nearest well is about 1,200 feet east.

- **1972 USGS 7.5-Minute Series Venice, California; Scale: 1: 24,000**

  The subject property, adjoining properties, and surrounding appear unimproved, except that Grand Avenue is constructed to the north. The nearest oil wells are over 2,000 feet to the east.

- **1981 USGS 7.5-Minute Series Cuttings Wharf, California; Scale: 1: 24,000**

  The subject property, adjoining properties, and surrounding area generally appear unchanged, except that oil wells are not longer depicted to the east.

4.5 MUNGER MAPS

Clayton reviewed Munger Maps of the subject property, adjoining properties, and surrounding area from the University of California – Berkeley Map Library on November 29, 2000. The 1958 and a 1994 maps depict the subject property and vicinity located within the El Segundo Oil Field. No oil or natural gas wells are depicted on the subject property, although several are located in the immediately surrounding area. The nearest oil well is an abandoned well on the western adjoining property.

4.6 LOCAL STREET DIRECTORIES

Clayton reviewed local street directory entries for the subject properties and adjoining properties on East Grand Avenue and North Sepulveda Boulevard that EDR researched in approximately five-year intervals between the years 1920 and 2006. The subject property address at 1960 East Grand Avenue was not listed until 1990. When listed, occupants appear to be office-type businesses except for a café.

Northern adjoining property occupants at 360 North Sepulveda Boulevard appear to be office-type businesses, except possibly Keller Construction in 1980, Sir Speedy Printing in 1990 and 1995, RF Microsystems in 1995 and 2000, Convex Computer Corp. in 1995, and National Chemsearch Corp. in 2000. Western adjoining property occupants at 222 North Sepulveda Boulevard appear to be office-type businesses from 1985. Eastern adjoining property occupants at 1990 East Grand Avenue appear limited to Hughes Communications (satellite services) or National Satellite Services in 1986 and 1995; in 2000, occupants here were office-type, and Advanced HiTech Corp. was at 1990 East Grand Avenue.

4.7 REGULATORY AGENCIES

4.7.1 Tax Assessor

Clayton obtained current ownership and APN identification (as kept by the Los Angeles County Office of the Assessor) on December 11 and 19, 2006 from that office and from ParcelQuest. This office stated that historical APN 4138-007-049 is no longer active.

4.7.2 Building and Planning

Clayton visited the El Segundo Planning and Building Safety Department on December 19, 2006. The subject property is zoned for Corporate Office (CO) uses. Reviewed records summaries follow.

1940 East Grand Avenue

- December 1982 permit for a temporary construction trailer; owner Prudential Insurance Co
- April 1986 grading permit for 9-story parking structure; owner HOXR Associates c/o Homart Development
- August 1987 Statement of Compliance for a foundation and parking structure; owner Xerox Corp

1960 East Grand Avenue

- November 1985 foundation permit for east tower; owner HOXR Associates c/o Homart Development
- February 1988 framing for shell and core for 12-story office building
- March 1988 Certificate of Occupancy for office use (5th floor); owner Homart.
- 1992-93 tenant improvements; owner Xerox II of Xerox Centre II
- 1997, 1999 tenant improvements; owner Hines
- 2004, 2006 tenant improvements; owner Lowe Enterprises

Clayton also contacted the Los Angeles County Building and Planning Department on December 18, 2006. According to planning staff, this office has no records for the subject property.

4.7.3 Fire

Clayton contacted the El Segundo Fire Department on December 18, 2006. According to Steve Tsumura, subject property records were archived and unavailable for review on December 19, 2006, the day Clayton conducted reconnaissance.

Clayton also contacted the Los Angeles County Fire Department – Health Hazardous Materials Division (HHMD), the local Certified Unified Program Agency (CUPA), on December 18, 2006. This agency failed to process a request for information; a re-submitted request is pending.

4.7.4 Environmental Health

Clayton contacted the Los Angeles County Environmental Health Department, water and sewage program. According to Bernard Franklin, this office reportedly has no subject property records regarding private sewage disposal (i.e., septic systems) or wells.

4.7.5 Public Works

Clayton visited the El Segundo Public Works Department on December 19, 2006. Records indicate that in February 1941 Hughes Aircraft Co. owned land that encompassed the subject property. In February 1977 Sepulveda Properties, Inc. owned subject property land, which was not subdivided as it is today; no land improvements were depicted on an accompanying property map. In August 1983 NU-West, Inc subdivided the subject property.

Clayton also contacted the Los Angeles County Department of Public Works on December 18, 2006. Therese Batungbacal of the Mapping and Property Management Division referred Clayton to the City of El Segundo.

4.7.6 Air Quality

Clayton contacted the South Coast Air Quality Management District (SCAQMD) on December 18, 2006. SCAQMD records relate to the two fire pump generators and the backup emergency lighting generator at the subject property.

4.7.7 Water Quality

Clayton contacted the California Regional Water Quality Control Board – Los Angeles Region (RWQCB) on December 18, 2006. This office reportedly has no records for the subject property.

4.7.8 Toxic Substances

Clayton contacted the California Department of Toxic Substances Control – Glendale Office (DTSC) on December 18, 2006. According to VivianTutaan, this office has no subject property records.

4.8 SUBJECT PROPERTY DOCUMENTS

Clayton reviewed its December 5, 2000 Phase I ESA for the subject property. Relevant summaries of that ESA follow.

City of El Segundo Fire Department Records

At that time, Clayton reviewed City of El Segundo Fire Department records. These included annual fire safety inspections from 1988 to 2000, which documented only minor safety code violations (e.g., alarms, extinguishers, exits, signage); no hazardous material violations were found. Regarding hazardous materials, a 1989 disclosure document reported none. In 1990 the department issued a permit for three diesel ASTs for backup pump and lighting. In 2000 a Hazardous Materials Business Plan (HMBP) identified the diesel fuel as well as Freon 11 for cooling.

1986 Geotechnical Report

This report indicated that the subject property was vacant grassy, weedy land that had been part of an oil field; no oil wells were encountered on the subject property. During surrounding area development from around 1969 through 1971, the subject property was graded and fill material was imported.

1986 Preliminary Contaminated Soil Evaluation

This report describes 24 soil borings advanced at the subject property in 1981, 1982, 1984, and 1986. Indications of petroleum hydrocarbon-impacted soil (e.g., odors, stains) were noted in fill materials found at depths of 4.0, 9.5, 17, and 19 feet bgs. Three soil samples collected at depths ranging from 5.0 to 12 feet bgs were tested for total petroleum hydrocarbons (TPH) and for benzene, toluene, ethylbenzene, xylenes (BTEX, collectively); no TPH or BTEX concentrations were detected.

1995 Limited Asbestos [and other material] Survey

This report describes an inspection and sampling for suspect asbestos containing material (ACM), lead-containing paint (LCP), and polychlorinated biphenyl (PCB)-containing light ballasts, as well as an evaluation of radon gas. Identified suspect ACM included roofing, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. No asbestos was detected in samples collected from the 5th, 6th, 8th, 10th, 11th, and 12th floors, roof, and from the parking garage.

Identified suspect LCP included stairwells on the 12th floor, piping and equipment in a mechanical room, and areas within the parking garage. No lead was detected in the eight paint chip samples collected, except for 0.934% lead (a cooling tower pipe). This concentration exceeded the U.S. Department of Housing and Urban Development (HUD) action level of 0.5%, but the subject property is not residential.

No PCB concentrations were identified in light ballasts. Radon levels for the area were determined to be 1.0 picoCuries per liter (pCi/L), and below the United States Environmental Protection Agency's (USEPA) action level of 4.0 pCi/L.

4.9 ACTIVITY & USE LIMITATIONS (AULS)

Clayton reviewed a title and judicial records report prepared by EDR and National Real Estate Information Services for indications of environmental liens and AULs recorded against the subject property. No such indications were apparent as of December 22, 2006.

4.10 ENVIRONMENTAL DATABASE SEARCH

Clayton reviewed an environmental database search report prepared by EDR for information pertinent to the subject property and other facilities located within specified search distances. The database report identifies about 130 facility listings, including orphans, as well as the accessed databases and the dates when information was updated (Appendix D).

The subject property is in the HAZNET, RCRA-SQG and FINDS databases. Occupant Team One Advertising is a generator of hazardous wastes, including photochemical / photoprocessing and laboratory waste chemicals. No violations are reported, and no releases are documented.

The northern adjoining property at 1955 East Grand Avenue (Global Solutions, Mattel, and United Airlines) is in the LUST, Cortese, SWEEPS UST, HMS, HAZNET, RCRA-SQG, Finds, and EMI databases. A leaking UST impacted soil only and the regulatory case was closed; organic and inorganic hazardous wastes are generated; a UST with unknown contents is present; and air emissions are regulated. Other than the closed soil case, no releases are documented.

The northern adjoining property at 360 North Sepulveda Boulevard (LAX Business Center and Hughes Aircraft) is in the HMS, SWEEPS UST, RCRA-SQG, and Finds databases, and at 390 North Sepulveda Boulevard (Nanowave) is on the HAZNET database. No releases are documented.

The eastern adjoining property at 1990 East Grand Avenue (Hughes Aircraft) is in the LUST, SWEEPS UST, and Cortese databases. A leaking UST impacted soil only and the regulatory case was closed. Other than the closed soil case, no releases are documented.

The western adjoining property at 222 North Sepulveda Boulevard (Pacific Corporate Towers) is in the UST, SWEEPS UST, HMS, HAZNET, and RCRA-SQG databases. At least one UST (vehicle fuel) was removed and that hazardous wastes are generated. No releases are documented.

There are many other identified facilities located farther from the subject property. These are all generally downgradient.

5.0 NON-ASTM ISSUES

Clayton addressed non-ASTM issues to help identify business environmental risks at the subject property. The scope of this section is limited, and should not be considered comprehensive.

5.1 ASBESTOS

Given the 1995 ACM inspection and sampling in conjunction with the 1988 office building construction, Clayton performed no assessment for asbestos.

5.2 LEAD

Given the 1995 LCP inspection and sampling in conjunction with the 1988 office building construction, Clayton performed no assessment for lead paint. In addition, given the construction date and the lack of residential tenants or children, Clayton performed no assessment for lead in drinking water.

5.3 RADON

Given the 1995 radon evaluation and the lack of regularly occupied sub grade structures, Clayton performed no assessment for radon.

5.4 MOLD

Clayton performed a visual assessment of the subject property for evidence of mold, such as microbial growth and moisture intrusion. During reconnaissance Clayton did not observe such evidence.

6.0 EVALUATION

Clayton evaluated the parts of this ESA in concert with each other. Our findings generally combine information from various sources checked so that we can form opinions, draw conclusions, and provide recommendations in a reasoned manner.

6.1 FINDINGS AND OPINIONS

Clayton's findings and opinions relate to known or suspect RECs, historical RECs, and *de minimis* conditions. For context, we begin with a subject property use summary.

In 1928 the subject property and surrounding area appear to have been agriculturally cultivated. By 1938 oil exploration dominated much of the area; the subject property featured an AST and a bermed pit, which were removed by 1947 – the area was known as the El Segundo Oil Field. Thereafter until the mid 1970s when modern land configuration emerged, the subject property and adjoining properties were graded from time to time. The current office building and parking garage were built on the subject property around 1988 and the land uses have remained commercial office since. Environmentally notable findings include:

- The subject property lies in the former El Segundo Oil Field. No oil or gas wells are known to have been present on the subject property, but there was an AST and a bermed pit in 1938. Soil investigations conducted on the subject property in the 1980s revealed the presence of petroleum hydrocarbon odors and stains within fill materials to depths of nearly 20 feet bgs. A limited amount of analytical testing detected no petroleum hydrocarbons in the fill. Regulatory agencies have not required that the subject property or surrounding areas investigate historical oil field uses. In addition, the underlying fill material at the subject property is covered with buildings, parking lots, or engineered landscaping, all of which minimize human exposure to the underlying fill. Furthermore, groundwater is first around 100 feet below ground surface, which is well below the extent of the fill, and is unlikely to have been impacted from subject property activities. Therefore, this finding is a historic, but not a current REC.
- The current use and storage of hazardous substances and petroleum products at the subject property is limited to diesel fuel for backup power, cooling water treatment chemicals, janitorial supplies, other subject property equipment (e.g., liquid-cooled transformer), and the photoprocessing wastes. Clayton observed secondary containment systems for most of the chemicals and wastes, and the various containers were in good condition with no evidence of chemical releases. No major chemical violations are noted in the regulatory agency records. Therefore, this finding represents a *de minimis* condition and not a REC.
- The subject property generally sits along a hydrogeologic divide whereby groundwater flows west and the east. As a result, none of the adjoining properties or surrounding facilities identified in the environmental database search report and in local street directories is expected to present a significant environmental concern to the subject property. Therefore, this finding is a *de minimis* condition and not a REC.

6.2 CONCLUSIONS AND RECOMMENDATIONS

Clayton conducted a Phase I ESA in conformance with ASTM Designation: E 1527-05 of the subject property located at 1940 and 1960 East Grand Avenue in El Segundo, Los Angeles County, California. This ESA has revealed no evidence of current RECs in connection with the subject property. Clayton recommends no additional assessment at this time.

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

This report prepared by:

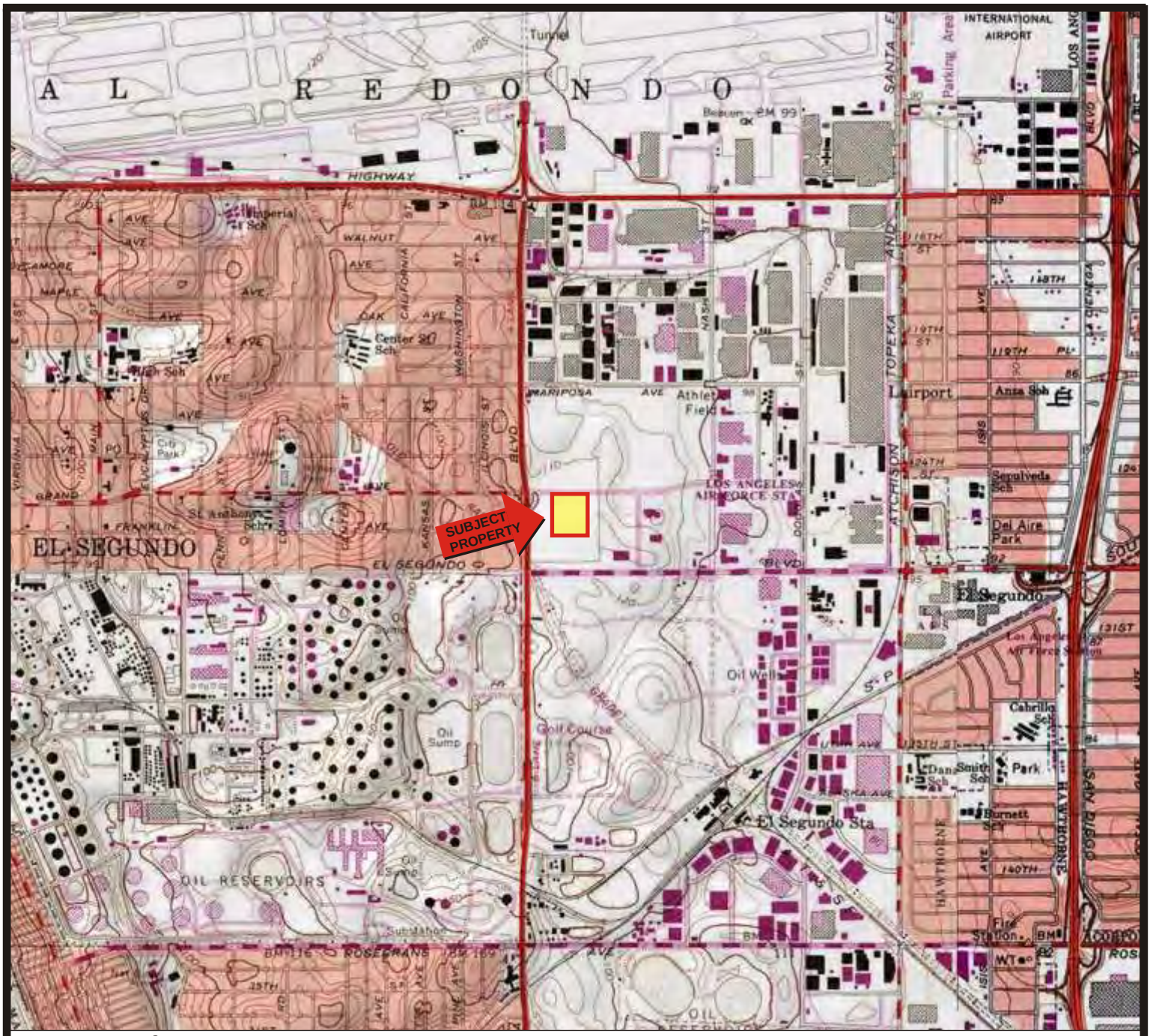
Project Engineer
Environmental Services

This report reviewed by:

Jon A. Rosso, P.E.
Director
Environmental Services

January 26, 2007
Clayton Project No. 33106-806851.00

FIGURES



Source: TOPO! © 2000 National Geographic Holdings

Note: Location Information is Approximate

1 0 1/2 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Portion of the 7.5-Minute Series Venice, California
Quadrangle Topographic Map (Datum: NAD 27)
United States Department of the Interior
Geological Survey
1981 Photorevised from 1978

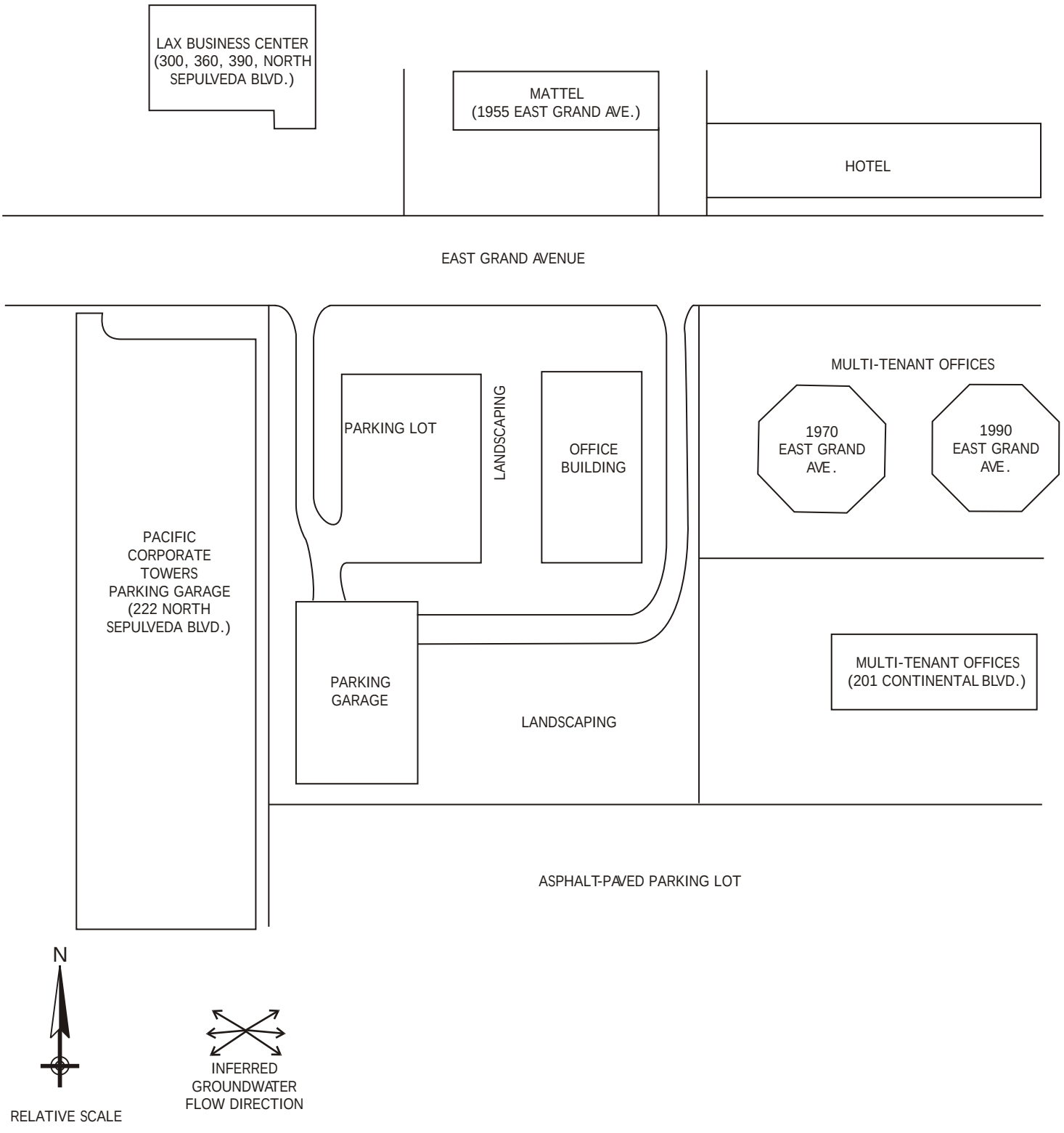
N

CALIF

QUADRANGLE LOCATION

SUBJECT PROPERTY LOCATION	FIGURE
1940 and 1960 East Grand Avenue El Segundo, California Clayton Project No. 33106-006851.00	1

BUREAU VERITAS



LEGEND	SUBJECT PROPERTY PLAN	FIGURE
Approximate Subject Property Boundary	1940 and 1960 East Grand Avenue El Segundo, California Clayton Project No. 33106-006851.00	2

AECOM Environment

Submitted to:
TA Associates Realty
Newport Beach, California

Submitted by:
AECOM
Camarillo, California
60161067-1
August 2010

Phase I Environmental Site Assessment of Grand Avenue Courtyard, 1940 and 1960 East Grand Avenue, El Segundo, California 90245

AECOM Environment

Submitted to:
TA Associates Realty
Newport Beach, California

Submitted by:
AECOM
Camarillo, California
60161067-1
August 2010

Phase I Environmental Site Assessment of Grand Avenue Courtyard, 1940 and 1960 East Grand Avenue, El Segundo, California 90245

Prepared By: David Simon

Reviewed By: Kirsten Bradford

Reviewed By: Jim Fickerson

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Executive Summary

AECOM was retained by TA Associates Realty to perform a Phase I Environmental Site Assessment (ESA) of the Grand Avenue Courtyard office building property located at 1940 and 1960 East Grand Avenue in the City of El Segundo, Los Angeles County, California (subject property). The subject property consists of two parcels totaling approximately 5.36-acres developed with a twelve-story, 260,000 square foot office building and an eleven-level above ground parking garage. The office building does not have a basement, two of the parking garage levels are below grade. On-site tenant activities and operations include office activities. Tenants include airline related businesses, law firms, advertising agencies, other office tenants and a café. The subject property also has a surface parking lot and extensive landscaping including a Kio pond.

The exterior of the subject property office building is glass and concrete with steel framing and the parking garage is concrete. Interior building materials in the office building include 2- by 2-foot acoustic ceiling tiles, painted drywall, carpet, tile flooring, and 12- by 12-inch vinyl floor tiles. Office areas are located on each floor of the office building. The interior of the parking garage is concrete with some areas built out with painted drywall. The office building floors are accessed by four overhead cable-driven passenger elevators and one overhead cable-driven freight elevator. The parking garage has two overhead cable-driven elevators. The elevator mechanical rooms are located on the top floor of the buildings. Surface parking is present at ground level north of the parking garage. Two of the parking garage levels are below grade. Mechanical equipment is located on the top floor and first floor of the office building and the top floor of the garage. The electrical room for emergency electrical equipment is located on the first floor of the office building. The office building is built out with office space, janitorial rooms, restrooms, and a restaurant on the first floor. The garage building is mainly used for parking with some storage and maintenance rooms and a fitness center on the lowest level.

The subject property is bordered to the north by East Grand Avenue, beyond which are multi-tenant office buildings at 300, 360 and 390 North Sepulveda Boulevard, an office building occupied by Mattel at 1955 East Grand Avenue, and a Doubletree Hotel at 1985 East Grand Avenue; to the east by multi-tenant office buildings at 1970 and 1990 East Grand Avenue and 201 Continental Boulevard; to the south by a parking lot associated with an office building located further to the southeast; and to the west by a parking garage associated with a multi-tenant office building at 222 North Sepulveda Boulevard.

Historical research indicates that prior to construction of the current office building and parking garage in 1988, the subject property was part of an oil field. The subject property appears to have been vacant, undeveloped land as depicted on an 1896 topographic map. A 1924 topographic map also shows the subject property to be vacant and undeveloped. A 1928 aerial photograph shows what appears to be an oil sump (referred to in previous environmental reports as a bermed pit) located on the north central portion of the subject property, with an aboveground storage tank (AST) shown on the eastern portion of the subject property in 1938. The subject property remained essentially unchanged until after 1956. In the 1965 and 1976 aerial photographs, the subject property appears to be vacant, graded land. Construction of the existing buildings began in 1987 and the buildings were completed in 1988. The office building has been occupied by office tenants since that time. City directories indicate that the subject property was occupied by various office tenants from 1990 through 2000.

In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. AECOM identified a letter from Krazan and Associates Inc. (Krazan) to OTO Development, LLC

dated June 22, 2009. This letter indicates that Krazan had conducted soil sampling at the subject property in July 2008. Krazan concluded that petroleum hydrocarbons detected in subject property soils (43 ppm) did not pose a significant risk for further development of the subject property (see Section 7.2.1). Additionally, the prior Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986. Three soil samples were analyzed at that time for petroleum hydrocarbons and benzene, toluene, ethylbenzene, and xylenes (BTEX), but these compounds were not detected in the soil samples analyzed. However, based on soil sample analysis results obtained as part of prior assessments, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion. See related discussions in Section 5 and in Section 7.2.1.

The subject property was identified on the RCRA-SQG, FINDS and HAZNET databases as Team One Advertising, Suite E. This current tenant of the building is listed as a small-quantity generator of hazardous waste. The RCRA-SQG database indicated that no violations have been reported for this tenant. The HAZNET database indicates that this tenant has generated photoprocessing waste, which is sent to a recycler or transfer station. According to the site contact, hazardous waste is no longer generated by this tenant. The subject property is not listed on a contamination-related database. Based on AECOM's area reconnaissance and information provided in the EDR report, the former and current uses of the adjacent or nearby sites do not appear to present RECs in association with the subject property.

AECOM has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Grand Avenue Courtyard located at 1960 East Grand Avenue in El Segundo, California. Any exceptions to, or deletions from, this practice are described in Section 1.0 of the report. The assessment has revealed no RECs in connection with the subject property. No additional assessment activities are recommended at this time.

1.0 Introduction

1.1 Scope of work

This report presents the results of a Phase I Environmental Site Assessment (ESA) performed by AECOM of the Grand Avenue Courtyard office building property, located at 1940 and 1960 East Grand Avenue in the City of El Segundo, Los Angeles County, California 90245 (subject property). This work was performed in accordance with the Master Service Agreement between AECOM and Realty Associates Advisors, LLC, dated November 14, 2003 and AECOM's letter proposal dated July 28, 2010, and the ASTM Standard Practice for Environmental Site Assessments: Phase I ESA Process (E 1527-05).

1.2 Limitations

This report describes the results of AECOM's due diligence assessment to identify the presence of environmental liabilities materially affecting the subject facility and/or property. In the conduct of this due diligence evaluation, AECOM assessed the presence of such problems within the limits of the established scope of work as described in our letter proposal.

In the conduct of this due diligence investigation, AECOM has attempted to independently assess the presence of such problems within the limits of the established scope of work as described in our proposal. As with any due diligence evaluation, there is a certain degree of dependence upon oral information provided by facility or site representatives which is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings in the Report are subject to certain conditions and assumptions. The conditions and assumptions are noted in the Report, and any party reviewing the findings of the Report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject site. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject site.

This report is prepared pursuant to an agreement between the client and AECOM and is for the exclusive use of the client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions which would render the report inaccurate. Reliance on the report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

The only limitation encountered during this assessment was that only representative office areas in the office building were accessed. Due to the use of the building by tenants for only office operations, this limitation is not expected to impact the conclusions of this assessment.

1.3 Data failure/data gaps

This assessment took place between August 2, 2010 and August 20, 2010, with the Phase I ESA site visit occurring on August 6, 2010. The following data failure/data gaps were encountered during the course of this assessment:

- As specified in the agreed upon scope-of-work, a title search and environmental lien search was not conducted as part of this ESA. However, based upon historical data collected from other sources, this data gap is not expected to have an impact on this assessment.
- Per ASTM, past owners, operators, and occupants of the subject property, who are likely to have material information regarding the potential for contamination at the subject property, shall be conducted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM was unable to interview past owners and/or operators at the subject property. This gap represents a limitation to this assessment but because of the known historical use of the property it is not anticipated to have an impact on this assessment.

2.0 Property description

2.1 Site location

AECOM visited the subject property on August 6, 2010. The subject property is an approximately 5.36-acre parcel of developed land located on the south side of East Grand Avenue, between Sepulveda Boulevard to the west and Continental Boulevard to the east, in El Segundo, Washington. According to the Los Angeles County Assessor's office, the subject property is further described as assessor's parcel numbers (APNs) 4138-007-065 and -066. Figure 1, the Site Location Map, shows the general location of the subject property.

2.2 Site description

One twelve-story office building, totaling 260,000 square feet, is located at the northeast corner of the subject property. An eleven-level parking garage is located at the southwest corner of the subject property. The office building is occupied by a number of tenants, including airline related businesses, law firms, advertising agencies, other office tenants and a café. All of the tenants use the building as office space. According to City of El Segundo Building Department records, the subject property was developed with the existing office building and parking garage in 1988. Surface parking is present at ground level north of the parking garage. Landscaping is present surrounding the buildings, along the property boundaries, and in parking area dividers. Figure 2, the Site Plan, depicts the subject property general layout and surrounding land uses. Representative site photographs are provided in **Appendix A**.

The exterior of the subject property office building is glass and concrete with steel framing and the parking garage is concrete. Interior building materials in the office building include 2- by 4-foot acoustic ceiling tiles, painted drywall, carpet, tile flooring, and 12- by 12-inch vinyl floor tiles. Office areas are located on each floor of the office building. The interior of the parking garage is concrete with some areas built out with painted drywall. The office building floors are accessed by four overhead cable-driven passenger elevators and one overhead cable-driven freight elevator. The parking garage has two overhead cable-driven elevators. The elevator mechanical rooms are located on the top floor of the buildings. Surface parking is present at ground level north of the parking garage. Two of the parking garage levels are below grade. Mechanical equipment, including two chillers, air handlers, a gas boiler, water pumps and a cooling tower, is located on the top floor and first floor of the office building and the top floor of the garage. The electrical room for emergency electrical equipment; including a diesel emergency generator, is located on the first floor of the office building. The office building is built out with office space, janitorial rooms, restrooms, and a restaurant on the first floor. The garage building is mainly used for parking with some storage and maintenance rooms and a fitness center on the lowest level.

An emergency generator is located on the first floor of the office building. The generator includes a self-contained 120-gallon diesel AST. Two additional 120-gallon diesel aboveground storage tanks are associated with the fire pumps located on the first floor of the office building. These ASTs are located within a concrete berm. No drains, stains, or leaks were observed in the vicinity of the diesel ASTs or generator.

Additional specific information regarding the site use is provided below in Section 3.0.

2.3 Adjacent site uses

The subject property is bordered to the north by East Grand Avenue, beyond which are multi-tenant office buildings at 300, 360 and 390 North Sepulveda Boulevard, an office building occupied by Mattel at 1955 East Grand Avenue, and a Doubletree Hotel at 1985 East Grand Avenue; to the east by multi-tenant office buildings at 1970 and 1990 East Grand Avenue and 201 Continental Boulevard; to the south by a parking lot associated with an office building located further to the southeast; and to the west by a parking garage associated with a multi-tenant office building at 222 North Sepulveda Boulevard.

2.4 Topography, vegetation, hydrology and geology

As determined by AECOM's review of the U.S. Geological Survey (USGS) 7.5-minute series topographic map (Venice, California Quadrangle), elevation at the subject property is approximately 115 feet above mean sea level. The surface topography of the subject property and immediately surrounding is relatively flat with a slight slope toward the north-northwest.

Vegetation at the subject property is comprised of planted landscaping, consisting of trees, small shrubs, and grasses located along the perimeter of the subject property, surrounding the onsite buildings, and in parking area dividers. No stressed vegetation was observed by AECOM or reported by Mr. Don McCurry, Chief Engineer of the subject property.

Based on well data provided by the Los Angeles County Department of Public Works Ground Water Wells website, shallow groundwater is expected to be present within 95 to 100 feet of the ground surface. Groundwater gradient in the area of the subject property appears to be toward the east.

A geotechnical investigation of the subject property performed in 1982 identified fill soils consisting of silty sand and sand up to 22 feet in thickness, with deeper fill within the northern portion of the subject property. Underlying natural soils consisted primarily of firm, dense sand. The geotechnical report did indicate that there was "some evidence of petroleum products" in the exploratory borings, but did not provide any more specific information on amount or locations. The exploratory borings were placed throughout the subject property, including the approximate area of the former oil sump and AST. However, based on soil sample analysis results obtained as part of prior assessments (see Section 5), the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

The EDR report identifies the bedrock rock geology at the subject property as belonging to the Stratified Sequence, Cenozoic Era, Quaternary System, Quaternary Series.

3.0 Site reconnaissance

On Friday, August 6, 2010, Mr. David Simon of AECOM's Orange, California office visited the subject property to conduct a site and area reconnaissance. During the site visit, Mr. Simon interviewed and was accompanied by Mr. Don McCurry, Chief Engineer with Tishman Speyer. The subject property has been owned and managed by Tishman Speyer since 1995.

3.1 Site use

AECOM evaluated the interior and exterior of the office building and parking garage. The office building is constructed with concrete slab floors and glass and concrete exteriors with steel framing. The office building contains office space, electrical rooms, an elevator room, and a mechanical room. The garage building is constructed of concrete. The garage building contains parking space, built-out maintenance offices and storage rooms and a fitness center. The buildings are occupied by office tenants. Tenants include airline related businesses, law firms, advertising agencies, other office tenants and a café. The subject property also has a surface parking lot and extensive landscaping including a Kio pond.

3.2 Underground and aboveground storage tanks

Mr. McCurry reported that no underground storage tanks (USTs) are currently located on the subject property, other than a 22,000-gallon fire water storage tank located under the east side of the office building. No evidence of USTs (i.e., vent pipes, fill ports) was observed by AECOM during the site visit.

An emergency generator is located on the first floor of the office building. The generator includes a self-contained 120-gallon diesel AST. Two additional 120-gallon diesel aboveground storage tanks are associated with the fire pumps located on the first floor of the office building. These ASTs are located within a concrete berm. No drains, stains, or leaks were observed in the vicinity of the diesel ASTs or generator.

3.3 Odors

No unusual odors were noted during AECOM's site visit.

3.4 Pools of liquid

No pools of liquid were observed on the subject property during AECOM's site visit, other than the Kio pond located at the northeast corner of the parking garage.

3.5 Hazardous materials

Small quantities of paints, cleaners, degreaser (WD-40), stains, and motor oil (associated with the generators) were observed to be stored on shelving units and/or in flammable materials cabinets in the janitorial supply rooms, mechanical rooms, storage rooms, and generator rooms. The materials were not stored in the vicinity of floor drains and no significant staining was observed in the storage areas. Two 55-gallon drums of water treatment chemicals are stored on the roof of the office building adjacent to the cooling tower. These chemicals are located on secondary containment pallets. According to AECOM's review of a Hazardous Materials Business Plan filed with the El Segundo Fire Department in 2008 (see Section 7.2.1), the facility stores 210 gallons of diesel fuel and 900 pounds of

chlorofluoromethane. The chlorofluoromethane is used in the closed-loop chiller system located on the top floor of the office building. No other permit or hazardous materials reporting information was obtained from the agencies contacted. It should be noted that an environmental compliance evaluation was not within the scope of work for this Phase I ESA. No other hazardous material storage was observed at the subject property during AECOM's site visit, or reported by Mr. McCurry to be used or stored at the subject property.

3.6 Solid (non-hazardous) waste

AECOM observed dumpsters located on the first floor of the office building, located within a concrete enclosure. According to Mr. McCurry, the dumpsters are used for general trash generated by the on-site office tenants. The garbage is collected by Waste Management once per week. No evidence of inappropriate disposal activities was observed in the dumpster area.

3.7 Hazardous waste

No hazardous wastes were observed by AECOM, or reported by Mr. McCurry, to be generated on the subject property.

3.8 PCB-containing equipment

A concrete pad-mounted transformer was observed outside at the northwest corner of the parking garage. The transformer is owned by, and is the responsibility of, the Southern California Edison Company. No markings were observed on the transformer indicating polychlorinated biphenyl (PCB) content; however, no staining was observed on the transformer or on the concrete pad. Additionally, based on the age of the subject property development (circa 1988), PCBs are not anticipated to be present within the on-site transformer equipment. Based on the above information; the onsite transformer appears to be properly managed.

No hydraulic elevators were observed at the subject property. Representative fluorescent light ballast were inspected during a 1995 Phase I ESA of the subject property (see Section 5). All light ballasts inspected in 1995 were labeled "no PCBs". No other potentially PCB-containing electrical or hydraulic equipment was identified at the subject property, or was reported by Mr. McCurry to be located at the subject property.

3.9 Heating and cooling

Office areas are heated with natural gas-fired roof-mounted heating, and electric-powered cooling, ventilation, and air conditioning (HVAC) units. No evidence of heating oil tanks was observed on the subject property, or reported by Mr. McCurry to be located at the subject property. Electricity and natural gas are provided to the subject property by the Southern California Edison Company and Southern California Gas.

3.10 Stains or corrosion

Some water staining was noted on the concrete walls of the lower levels of the parking garage. The staining extends from the top to the bottom of the walls in several areas, and is several inches wide (see photograph in Appendix A). Mr. McCurry indicated that the staining was the result of landscape irrigation water seepage. No other stains or corrosion was observed by AECOM during the site reconnaissance, or was reported by Mr. McCurry.

3.11 Water and wastewater/storm water

According to Mr. McCurry, the subject property receives its potable water from the City of El Segundo. No private groundwater supply wells were observed on the subject property during AECOM's site reconnaissance. Additionally, Mr. McCurry was not aware of private groundwater supply wells on the subject property.

Sanitary sewer services are provided by the City of El Segundo. Floor drains were observed by AECOM in the onsite restrooms and mop basin sinks were observed in some of the electrical and mechanical rooms. Mr. McCurry stated that these drains were connected to the sanitary sewer. No staining was observed in the vicinity of the floor drains or within the mop basin sinks. No evidence of a current or historical septic system was observed on the subject property. Additionally, Mr. McCurry was not aware of private on-site septic systems.

Storm water is directed via sheet flow to on-site storm water drains, which are directed to municipal storm water system. According to Mr. McCurry and AECOM's observations, the subject property does not receive storm water runoff from adjacent or surrounding sites.

One storm water sump was observed on the lower level of the parking garage. No staining or standing water was observed in the vicinity of the sump. According to Mr. McCurry, the sump drains to the municipal storm water system.

3.12 Wetlands

The EDR report provides maps based on the U.S. Fish and Wildlife Service National Wetland Inventory (NWI) data from 2002 and 2005. According to the NWI quadrangle data for the subject property area, the subject property is not located in a wetland. No wetland-type areas were observed in the vicinity of the subject property during AECOM's reconnaissance. A landscaped Kio pond is located at the northeast corner of the parking garage building. No other pits, ponds, or lagoons were observed on the subject property at the time of the site reconnaissance. However, it should be noted that a wetlands delineation survey was not conducted as part of this assessment work scope.

3.13 Lead-based paint

Historical research and information provided by Mr. McCurry indicates that the subject property was developed in approximately 1988. Based on the age of the buildings, lead-based paint is not likely to be present on the building materials. Mr. McCurry was not aware that any lead-based paint surveys had previously been conducted for the subject property. However, a 2007 Phase I ESA report (see Section 5) indicated that a lead based paint survey was conducted in 1995. Eight paint chip samples were collected from stairwells on the 12th floor, piping and equipment in the mechanical room, and areas within the parking garage. No lead was identified in the samples collected, with the exception of 0.934% lead in the paint chip sample from a cooling tower pipe. It has been AECOM's experience that lead-based paint in building materials can only be evaluated by sampling and laboratory analysis, and it should be noted that a lead-based paint survey of the subject property was not conducted as part of this assessment.

3.14 Asbestos

Historical research and information provided by Mr. McCurry indicates that the subject property was developed in approximately 1988. Based on the age of the buildings, asbestos-containing material is not likely to be present in the building materials. Additionally, a 2007 Phase I ESA report (see Section 5)

indicated that an asbestos survey of the subject property was conducted in 1995. An unspecified number of samples were collected from roofing materials, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. No asbestos was identified in the samples of suspect building materials collected.

3.15 Radon

According to the U.S. EPA, Los Angeles County, California, is located within EPA Radon Zone 2, indicating that the average predicted indoor screening level for radon will be between 2.0 and 4.0 picoCuries per liter (pCi/L) of air. The U.S. EPA Recommended Action Level for radon in residential dwellings is 4.0 pCi/L. The U.S. EPA has not designated a Recommended Action Level for radon in commercial or industrial buildings. However, based on state radon test results, of 14 sites tested in the area of the subject property, only one resulted in concentrations of radon in air greater than 4 pCi/L. Based on federal radon test results, of 63 sites tested in the area of the subject property, the average concentration of radon in air in first floor living areas was 0.711 pCi/L; not reported in second floor living areas; and 0.933 pCi/L in basement areas. Based on this information, radon is not considered a significant concern in association with the subject property.

3.16 Mold

Accessible interior areas of the subject property were observed for the potential presence of mold as well as for conditions favorable for mold growth, such as water damage/intrusions. As previously stated in Section 3.10, some water staining was noted on the concrete walls of the lower levels of the parking garage (below ground). Mr. McCurry indicated that the staining was the result of landscape irrigation water seepage. No other stains or corrosion was observed by AECOM during the site reconnaissance, or was reported by Mr. McCurry.

Additionally, in May 2007, Healthy Buildings International Inc. (HBI) performed a mold assessment at the office building of the subject property following a water leak in a 3rd floor break room (see Section 5). HBI conducted visual observations for stains, discoloration and visible mold growth. Moisture levels were measured in areas that appeared to be damp. Marginally wet drywall was identified in a stairwell, a 3rd floor restroom and the ceiling of the 1st floor café and in the 1st floor central corridor. Fans and dehumidifiers were used to dry out the areas. A follow-up inspection by HBI one week later did not reveal stains or mold growth or excessive dampness. No staining or other evidence of mold growth in these areas was identified during the site reconnaissance for this assessment. Airborne samples for mold did not indicate a significant source of mold in the building.

4.0 Historical records review

AECOM consulted the following historical sources to develop a history of the previous uses or occupancies of the subject property and surrounding area. According to EDR-Sanborn, Inc., Sanborn Fire Insurance map coverage is not available for the subject property area. A discussion of previously prepared environmental reports for the subject property is provided in Section 5.0.

- Aerial photographs dated 1928, 1938, 1947, 1956, 1965, 1976, 1989, 1994, 2002, and 2005, obtained from EDR.
- Topographic maps dated 1897 (Redondo, 15-minute series), 1901 (Southern CA Sheet 1, 60-minute series), 1924 (Inglewood, 6-minute series), 1930 (Inglewood, 6-minute series), 1948 (Redondo, 15-minute series), 1950 (Venice, 7.5-minute series), 1964 (Venice, 7.5-minute series), 1972 (1964 photorevised), and 1981 (1964 photorevised), obtained from EDR.
- City directories abstract of information from various city directories dated from 1920 through 2006 (in approximate 5-year intervals), obtained from EDR.
- Interview with Mr. Don McCurry, Chief Engineer with Tishman Speyer, as representative of subject property management and current ownership.
- Building permit records obtained from the City of El Segundo Building Department.

4.1 Subject property

Historical research indicates that prior to construction of the current buildings in 1988, the subject property was part of an oil field in approximately the 1920s through 1950s. No structures or features are depicted on 1896 or 1924 topographic maps A 1928 aerial photograph shows what appears to be an oil sump (referred to in previous environmental reports as a bermed pit) located on the north central portion of the subject property in the area of the surface parking lot and landscaped area west of the office building, and with an aboveground storage tank (AST) shown on the eastern portion of the subject property in 1938, in the area currently occupied by the office building and the landscaped area south of the office building. The subject property remained essentially unchanged through at least 1956. The State of California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) Map 121 of the El Segundo and Lawndale Oilfields shows that no oil wells were located on the subject property.

In the 1965 and 1976 aerial photographs, the subject property is shown as vacant, graded land. Construction of the existing buildings began in 1987 and the buildings were completed in 1988. The building has been occupied by office tenants since that time. City directories indicate that the property was occupied by various office tenants and a restaurant from 1990 through 2000.

In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. Based on soil sample analysis results, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion. See related discussions in Section 5 and in Section 7.2.1.

4.2 Surrounding area

Historical research indicates that surrounding sites were vacant undeveloped land in at least 1896. The area surrounding the subject property was first developed as an oil field in the 1920s and 1930s, and continued to be used as an oil field into the 1950s. DOGGR Map 121 indicates that an oil well was located on the site adjacent to the west of the subject property. Redevelopment of the adjacent sites appears to have begun in the mid-1960s. The parking lot to the south of the subject property was constructed in the early to mid 1970s. The remaining buildings surrounding the subject property were constructed between 1976 and 1989.

5.0 Previous environmental reports

TA Associates Realty and Mr. McCurry provided several previously prepared environmental documents regarding the subject property, summarized below. Copies of these documents are provided in **Appendix B**.

Report of Geotechnical Investigation, Proposed Building Development, Grand Avenue Between Sepulveda, Continental, and El Segundo Boulevards, El Segundo, California, dated March 8, 1984. Prepared by LeRoy Crandall and Associates for Nu-West Inc. (California)

LeRoy Crandall and Associates performed a geotechnical investigation of the subject property in February 1982 and issued this report with supplementary foundation recommendations in March 1984. The geotechnical investigation identified fill soils consisting of silty sand and sand up to 22 feet in thickness, with deeper fill within the northern portion of the subject property. Underlying natural soils consisted primarily of firm, dense sand. The report notes that the subject property was formerly part of an oil field, but does not include dates or any other information regarding the oil field. The subject property was graded for development in 1969, 1970, and 1971, which included the placement of compacted fill material. Exploration borings conducted from 1981 through 1984, did find some visual evidence of petroleum hydrocarbons in subject property soils. No further information was provided on the amount or locations of these petroleum hydrocarbons. However, based on soil sample analysis results obtained as part of prior assessments (see continued discussion below), the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

Report of Phase I Environmental Site Assessment, Xerox Centre, 1960 East Grand Avenue, El Segundo, California, dated April 1995. Prepared by Kleinfelder, Inc. for Homart Development Co.

Kleinfelder, Inc. performed a Phase I ESA of the subject property in April 1995. During the ESA, the subject property was developed with the existing office building and garage. The Kleinfelder report identifies the subject property as being undeveloped prior to the construction of the existing buildings. The 22,000-gallon fire water UST was identified at the east side of the office building. The two 100-gallon diesel ASTs were identified associated with an emergency generator. All light ballasts inspected at the time were labeled "no PCBs". No nearby facilities that appeared to present an environmental concern were identified.

Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California, dated January 26, 2007. Prepared by Clayton Group Services, Inc. for Lowe Enterprises.

Clayton Group Services, Inc. (Clayton) performed a Phase I ESA of the subject property in January 2007. During the ESA, the subject property was developed with the existing office building and garage. The Clayton report identifies the subject property as being agricultural in 1928 and occupied by an oil sump and an associated AST in 1938, which were removed by 1947. The land was graded in the 1970s and the existing buildings were constructed around 1988. No oil or gas wells were reported to have been developed on the subject property. Petroleum hydrocarbon odors and stains were noted during soil investigations conducted in the 1980s (as noted in the 1984 Geotechnical Investigation, discussed

above); however no petroleum hydrocarbons were detected by laboratory analysis of the soil. The odors and staining were considered to represent an historic recognized environmental condition. One 120-gallon and two 75-gallon diesel ASTs were associated with emergency generators. The approximate 22,000-gallon fire water UST was noted under the east side of the building. According to a 1986 geotechnical report described in this ESA report, the subject property was graded and fill material was imported from 1969 to 1971. Clayton reviewed a preliminary contaminated soil evaluation report prepared in 1986, prior to development of the subject property. A copy of this report could not be located during AECOM's site assessment activities; however, AECOM identified a letter from Krazan and Associates Inc. (Krazan) to OTO Development, LLC dated June 22, 2009. This letter indicates that Krazan had conducted soil sampling at the subject property in July 2008. Krazan concluded that petroleum hydrocarbons detected in subject property soils did not pose a significant risk for further development of the subject property (see Section 7.2.1). Additionally, the Clayton report indicates that odors and stains indicating petroleum hydrocarbon impacts were noted at the subject property during soil sampling from 1981 through 1986. Three soil samples were analyzed for petroleum hydrocarbons and benzene, toluene, ethylbenzene, and xylenes (BTEX), but these compounds were not detected in the soil samples analyzed.

In 1995 sampling was conducted for asbestos containing materials, lead based paint, polychlorinated biphenyls and radon. No asbestos was identified in the samples of suspect building materials collected from roofing materials, pipe wrap insulation, duct tape mastic, floor tiles and mastic, drywall joint compound, spray-on fireproofing, and ceiling tiles. Lead samples were collected from stairwells on the 12th floor, piping and equipment in the mechanical room, and areas within the parking garage. Lead was detected on a cooling tower pipe. No PCBs were identified and radon levels were determined to be below the EPA action level. No nearby facilities that appeared to present an environmental concern were identified.

Clayton concluded that "Regulatory agencies have not required that the subject property or surrounding areas investigate historical oil field uses. In addition, the underlying fill material at the subject property is covered with buildings, parking lots, or engineered landscaping, all of which minimize human exposure to the underlying fill. Furthermore, groundwater is first encountered around 100 feet below ground surface, which is well below the extent of the fill, and is unlikely to have been impacted from subject property activities. Therefore, this finding is a historic, but not a current REC".

HBI Mold Assessment Report and Clearance Document, 1960 East Grand Avenue, El Segundo, California, dated May 14, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises, and ***HBI Mold Assessment Report and Clearance Document, 1st Floor Central Corridor, 1960 East Grand Avenue, El Segundo, California***, dated May 21, 2007. Prepared by Healthy Buildings International, Inc. for Lowe Enterprises.

Healthy Buildings International Inc. (HBI) performed a mold assessment following a water leak in a 3rd floor break room. HBI conducted visual observations for stains, discoloration and visible mold growth. Moisture levels were measured in areas that appeared to be damp. Marginally wet drywall was identified in a stairwell, a 3rd floor restroom and the ceiling of the 1st floor café and in the 1st floor central corridor. Fans and dehumidifiers were used to dry out the areas. A follow-up inspection did not reveal and stains or mold growth or excessive dampness. Airborne samples for mold did not indicate a significant source of mold in the building.

6.0 Property disclosure law and user provided information

6.1 Property disclosure law

The State of California does not have property disclosure laws, but rather follows the federal CERCLA law which places the burden on the property owner to perform due diligence on a property prior to purchase.

6.2 User provided information

AECOM submitted an ASTM "User Questionnaire" to Mr. Clifford Chandler of TA Associates Realty. Mr. Chandler's responses to the questionnaire indicate that TA Associates Realty is not aware of the presence of any environmental cleanup liens filed or recorded against the property, or any activity or land use limitations that are in place on the property or that have been filed or recorded in a registry. Additionally, Mr. Chandler reported that the purchase price being paid for this property reasonably reflected the fair market value of the property. Mr. Chandler reported that TA Associates Realty does not have any specialized knowledge or experience related to the property or nearby properties; nor are they aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases. Based on their knowledge and experience related to the property, Mr. Chandler reported that there were no obvious indicators that point to the presence or likely presence of contamination at the property.

7.0 Environmental records research

7.1 Federal and state agency records

EDR provided regulatory information for the subject property and surrounding sites using a database search. A copy of the database report is attached as Appendix C. All database abbreviations are provided in the EDR report. Sites that could not be mapped by EDR were researched by AECOM during the site reconnaissance and none were observed to be located in the vicinity of the subject property. A summary of the results of the EDR database search are presented below. A list of the databases searched and their respective search distances are provided in the EDR report.

7.1.1 Subject property

The subject property was identified on the RCRA-SQG, FINDS and HAZNET databases as Team One Advertising, Suite E. This current tenant of the building is listed as a small-quantity generator of hazardous waste. The RCRA-SQG database indicated that no violations have been reported for this tenant. The HAZNET database indicates that this tenant has generated photoprocessing waste, which is sent to a recycler or transfer station. According to the site contact, hazardous waste is no longer generated by this tenant. The subject property is not listed on a contamination-related database.

7.1.2 Nearby sites

The northern adjacent sites (across East Grand Avenue), at 300 and 360 North Sepulveda Boulevard are listed on the RCRA-NonGen, RCRA-SQG, SWEEPS UST, HAZNET, Los Angeles Co HMS, and FINDS databases. No violations were reported on the RCRA databases. The facilities are not listed on other contamination-related databases, and as such do present a REC in association with the subject property.

The northern adjacent site (crossgradient across East Grand Avenue), at 1955 East Grand Avenue is listed as a Leaking Underground Storage Tank (LUST) Site under the name Global Solutions. A release of aviation fuel was reported in 1997. The release was limited to the soil and the case was closed by the lead regulatory agency, the City of El Segundo, in 1998. The facility is not listed on other contamination-related databases. This address is also associated with listings on the RCRA-SQG, FINDS, Hist Cortese, HAZNET and EMI databases under the name of Mattel Inc. and on the SWEEPS UST and Los Angeles Co. HMS databases under the name of United Airlines Based on the closed case LUST status, this site does not present a REC in association with the subject property.

The eastern adjacent site (downgradient) at 1990 East Grand Avenue is listed as a LUST Site under the name Hughes Aircraft Co CSG. A release of aviation fuel was reported in 1996. The release was limited to the soil and the case was closed by the lead regulatory agency, the City of El Segundo, in 1996. The facility is not listed on any other contamination-related databases. This address is also associated with listings on the Hist Cortese and SWEEPS UST databases. Based on the closed case LUST status, this site does not present a REC in association with the subject property.

The western adjacent site at 222 North Sepulveda Boulevard is listed on the SWEEPS UST, HAZNET and EMI databases. The facility is not listed on a contamination-related database.

The Raytheon Company, SAS (Hughes Aircraft Company) facility, located at 2000 East El Segundo Boulevard, is listed on the Comprehensive Environmental Response Compensation and Liability Information System No Further Remedial Action Planned (CERC-NFRAP), CORRACTS, RCRA-TSDF, RCRA-LQG, Envirostor, LUST, UST, AST, Hist Cortese, and HWP databases. This property is located approximately ¼-mile south of the subject property. The LUST listing indicates that a release of solvents in 1986 only impacted soil. The case was closed by the LARWQCB in 1996. The CERC-NFRAP indicates that the facility was deferred to RCRA (Subtitle C) in 1991 and archived in 1996. The CORRACTS database indicates that the facility was assigned a low corrective action priority in 1991 and 1992. A RCRA Facility Assessment (RFA) was completed in 1991. A Stabilization Measures Evaluation conducted in 1992 determined that the facility was not amenable to stabilization activity at the time. The HWP database indicates that the 1991 RFA identified two areas of concern (AOCs). An underground fuel clean up and closure report was submitted to the LARWQCB in 1996 indicating that soil vapor extraction had been used to remove gasoline from the soil and groundwater. Based on its distance from the subject property, and the regulatory oversight, this site does not present a REC in association with the subject property.

Four additional CERC-NFRAP listings were identified within 1 mile of the subject property: International Rectifier, Devlin Pharmaceuticals Inc., Northrop Corp. Aircraft Div., and Allied Sales & Salvage. All of these facilities were determined to require no further remedial action following a preliminary assessment. All of these facilities are located over ¼ mile from the subject property. Based on the distance from the subject property and NFRAP status, these facilities do not present a REC in association with the subject property.

Three additional sites were listed on the CORRACTS database within ½ mile of the subject property: Northrop Corp Aircraft Div, Hughes Aircraft Co S&CG, and Rockwell International. The Northrop facility is located over ¼-mile from the subject property and was assigned a low corrective action priority. The Hughes facility is located over ½-mile from the subject property and was assigned a medium corrective action priority. The Rockwell facility is located over ½-mile from the subject property, was assigned a low corrective action priority, and had an RFA completed in 1994. Based on the distance from the subject property and low corrective action priority status, these facilities do not present a REC in association with the subject property.

Nine additional Leaking Underground Storage Tank (LUST) sites were listed within ½ mile of the subject property. Eight of these sites have only impacted soil and have been closed by the lead regulatory agency. The remaining site, International Rectifier Corp., at 233 Kansas Street is located approximately 2,185 feet west of the subject property. Two releases are noted for this facility: a release of solvents in 1990 only impacted soil and a release of wastewater in 1990 that has impacted groundwater. Assessment and remedial action are underway at the site. Based on the distance from the subject property, this site does not present a REC in association with the subject property.

No other sites of potential concern were identified on the databases searched by EDR, and no sites of potential concern were identified during AECOM's area reconnaissance. Specific information pertaining to the identified sites is provided in the EDR report.

7.2 Municipal and local authorities

7.2.1 City of El Segundo Fire Department, Fire Prevention Division

On August 13, 2010, AECOM reviewed information on file at the City of El Segundo Fire Department. The records on file included a Hazardous Materials Business Plan completed in 2008 and a letter from Krazan and Associates Inc. (Krazan) to OTO Development, LLC dated June 22, 2009.

The Hazardous Materials Business Plan completed in 2008 indicated that hazardous materials stored at the property included 210 gallons of diesel and 900 pounds of chlorofluoromethane. The chlorofluoromethane is used in the closed-loop chiller system located on the top floor of the office building.

The letter from Krazan to OTO Development, LLC dated June 22, 2009 indicated that Krazan had conducted soil sampling at the subject property in July 2008. AECOM presumes that the soil sampling was conducted as a soil-screening prior to anticipated construction activities pertaining to re-development of the parking lot portion of the subject property with a proposed hotel. A concentration of Total Recoverable Petroleum Hydrocarbons of 43 milligrams per kilogram (mg/kg) was reportedly detected during laboratory analysis of soil samples. Krazan noted that this concentration was below the State of California Regional Water Quality Control Board Environmental Screening Level for residential soil of 83 mg/kg for total petroleum hydrocarbons as gasoline and 370 mg/kg for total petroleum hydrocarbons as residual fuel. Krazan summarizes that the petroleum hydrocarbons detected did not pose a significant risk for further development of the subject property. No other details were provided in the letter. In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. Based on the above soil sample analysis results, and as previously identified in Section 4.1, details of which were also discussed in Section 5, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

7.2.2 City of El Segundo Building Department

On August 6, 2010, AECOM searched permit records for the subject property at the City of El Segundo Building Department. A number of permits were available for the subject property including construction of the existing office building and parking garage and subsequent minor internal remodels, sprinkler modifications, and electrical updates. No permits identifying potential environmental concerns were identified.

7.2.3 Los Angeles County Assessor

AECOM preformed a search of the Los Angeles County Assessor Property Assessment Information System website (http://assessor.lacounty.gov/extranet/DataMaps/pais.aspx) for general building information, past ownership information, and general parcel information. Information obtained from this database is incorporated throughout this report.

7.2.4 California Regional Water Quality Control Board, Los Angeles Region

On August 13, 2010, AECOM received a letter from the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB). This agency indicated that they do not have any records for the subject property.

7.2.5 United States Environmental Protection Agency (US EPA)

AECOM searched the US EPA Enforcement and Compliance History Online (ECHO) and Envirofacts Data Warehouse (Envirofacts). The ECHO database consists of US EPA compliance history at a site. Envirofacts is a database search of US EPA databases, including the CERCLIS database, which consists of sites being assessed under the Superfund program (NPL sites), hazardous waste sites, and potential hazardous waste sites. The subject property was identified on the ECHO and Envirofacts databases under the name Team One Advertising. This facility is noted as a small quantity hazardous

waste generator with no reported compliance violations, similarly as identified in the EDR report (Section 7.1.1). These listings are non-contamination related.

8.0 Conclusions and recommendations

8.1 Conclusions

AECOM has performed a Phase I ESA at Grand Avenue Courtyard, 1960 East Grand Avenue located in El Segundo, California. We have performed the Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exception to, or deletions from, this practice are described in Section 1.0 of the report. The assessment has revealed no evidence of RECs in connection with the subject property.

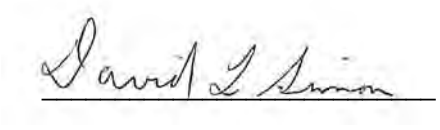
In AECOM's opinion, it is not uncommon for there to be residual amounts of petroleum hydrocarbons in the soils in the area of the subject property, potentially as a result of the historical use of the area as an oil field. Based on soil sample analysis results, the historical use of the subject property as part of an oil field in approximately the 1920s through 1950s is considered to represent a de minimis environmental condition in association with the subject property, in AECOM's opinion.

8.2 Recommendations

Based on the above findings and discussion, additional investigative activities are not recommended.

8.3 Environmental professional statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in §312.10 of 40 CFR. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature: 

David Simon, REA
Project Engineer

9.0 References

California Department of Conservation, Division of Oil, Gas and Geothermal Resources, *Map 121- El Segundo and Lawndale Oilfields,* ftp://ftp.consrv.ca.gov/pub/oil/maps/dist1/121/Map121.pdf

California Regional Water Quality Control Board, Los Angeles Region, *Letter re: California Public Records Request – Tracking Number: 2010080605*. Prepared for AECOM, August 13, 2010.

City of El Segundo Building Department, Permit Records.

City of El Segundo Fire Department, Hazardous Materials Records.

Clayton Group Services, Inc., *Phase I Environmental Site Assessment, 1940 and 1960 East Grand Avenue, El Segundo, California*. Prepared for Lowe Enterprises, January 26, 2007.

Environmental Data Resources, Inc., (EDR), Aerial Photos Decade Package, prepared for 1960 East Grand Avenue, El Segundo, California 90245, dated August 5, 2010. Inquiry number 2832234.5. Aerial photographs dated 1928, 1938, 1947, 1956, 1965, 1976, 1989, 1994, 2002, and 2005. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 353-0050.

EDR, Certified Sanborn Map Report – no coverage, prepared for 1960 East Grand Avenue, El Segundo, California 90245, dated August 3, 2010. Inquiry number 2832234.3. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 353-0050.

EDR, City Directory Abstract, prepared for 1960 East Grand Avenue, El Segundo, California 90245, dated August 3, 2010. Inquiry number 2832234.6. City directories reviewed included 1920 through 2006. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 352-0050.

EDR, Historical Topographic Map Report, prepared for 1960 East Grand Avenue, El Segundo, California 90245, dated August 3, 2010. Inquiry number 2832234.4. Maps reviewed included 1896, 1901, 1924, 1930, 1948, 1950, 1964, 1972, and 1981. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 353-0050.

EDR, Radius Map with GeoCheck®, prepared for 1960 East Grand Avenue, El Segundo, California 90245, dated August 3, 2010. Inquiry number 2832234.2s. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 352-0050.

EDR, Site Report, prepared for Team One Advertising, 1960 East Grand Avenue, Suite E, El Segundo, California 90245, dated August 16, 2010. Report prepared by Environmental Data Resources, 440 Wheelers Farms Road, Milford, Connecticut 06460, (800) 352-0050.

Healthy Buildings International, Inc., *HBI Mold Assessment Report and Clearance Document, 1960 East Grand Avenue, El Segundo, California*. Prepared for Lowe Enterprises, May 14, 2007.

Healthy Buildings International, Inc., *HBI Mold Assessment Report and Clearance Document, 1st Floor Central Corridor, 1960 East Grand Avenue, El Segundo, California*. Prepared for Lowe Enterprises, May 21, 2007.

Kleinfelder, Inc., *Report of Phase I Environmental Site Assessment, Xerox Centre, 1960 East Grand Avenue, El Segundo, California*. Prepared for Homart Development Co., April 1995.

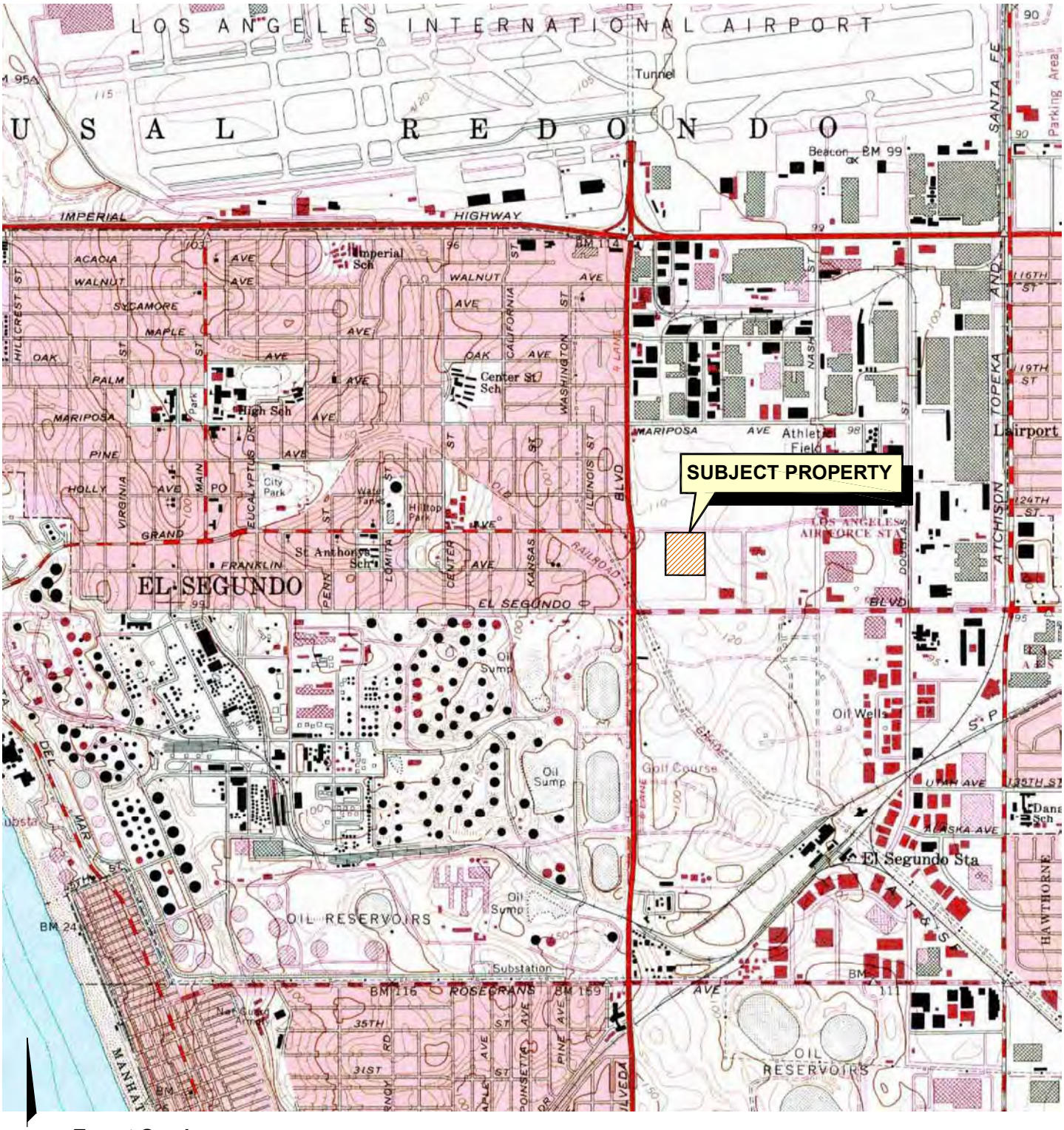
Krazan & Associates, Inc., *Letter re: Addendum #2 to Krazan Phase I Environmental Site Assessment, Proposed Hyatt Place Property, 1940 & 1960 East Grand Avenue, El Segundo, California*. Prepared for OTO Development, LLC, June 22, 2009.

LeRoy Crandall and Associates, *Report of Geotechnical Investigation, Proposed Building Development, Grand Avenue Between Sepulveda, Continental, and El Segundo Boulevards, El Segundo, California.* Prepared for Nu-West Inc. (California), March 8, 1984.

Los Angeles County Assessor's Office, Property Assessment Information System http://assessor.lacounty.gov/extranet/DataMaps/pais.aspx.

U.S. Environmental Protection Agency Enforcement and Compliance History Online (ECHO) database, http://www.epa.gov/echo/

U.S. Environmental Protection Agency Envirofacts Database http://www.epa.gov/enviro/html/fii/fii_query_java.html



N

Target Quad

Name: Venice
Map Year: 1981
Photorevised: 1964
Series: 7.5
Scale: 1:24000

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CAMARILLO, CALIFORNIA 93012
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Site Location Map

1960 East Grand Avenue
El Segundo, California 90245

FIGURE NUMBER: 1

DRAWN BY:	DATE:	PROJECT NUMBER:	SHEET NUMBER:
T. Burke	8/16/2010	60161067-1	X

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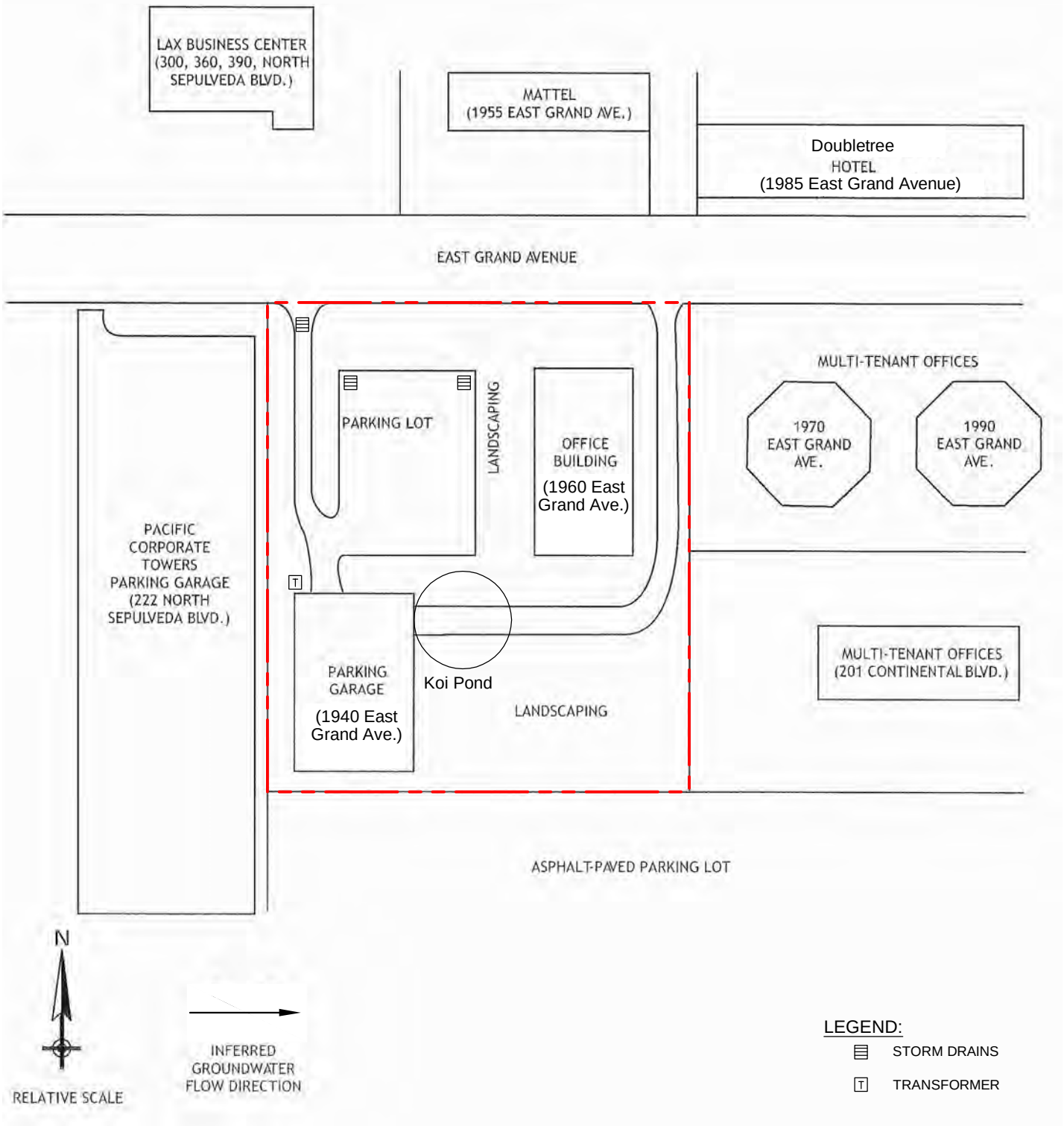

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Site Plan

1960 East Grand Avenue
El Segundo, California 90245

FIGURE NUMBER: **2**

DRAWN BY:	DATE:	PROJECT NUMBER:	SHEET NUMBER:
T. Burke	8/16/2010	60161067-1	X

APPENDIX H

TERMINOLOGY

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-13. The Standard Practice should be referenced for further detail related definitions or additional explanation regarding the meaning of terms.

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

De minimis conditions: Conditions that generally do not present threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions or controlled recognized conditions.

Historical recognized environmental condition(s) (HREC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time of the Phase I ESA, the condition shall be included in the conclusions section of the report as a recognized environmental condition,

Controlled recognized environmental condition(s) (CREC): A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. NOTE: A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Material threat: A physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Material impact to public health or environment: A substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. An example might include a release of a hazardous substance in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or

substantial damage to natural resources. The risk of that exposure or damage would represent a material impact to public health or environment.

General risk of enforcement action: The likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

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APPENDIX H

TERMINOLOGY

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-13. The Standard Practice should be referenced for further detail related definitions or additional explanation regarding the meaning of terms.

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

De minimis conditions: Conditions that generally do not present threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions or controlled recognized conditions.

Historical recognized environmental condition(s) (HREC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time of the Phase I ESA, the condition shall be included in the conclusions section of the report as a recognized environmental condition,

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Michael Baker
INTERNATIONAL

Appendix H
Noise Impact Analysis

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NOISE IMPACT ANALYSIS

1950-1960 EAST GRAND AVENUE PROJECT

CITY OF EL SEGUNDO

Lead Agency:

City of El Segundo
Planning and Building Safety Department
350 Main Street
El Segundo, CA 90245

Prepared by:

Vista Environmental
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Project No. 21034

March 22, 2022

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ACRONYMS AND ABBREVIATIONS

ANSI	American National Standards Institute
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of El Segundo
CNEL	Community Noise Equivalent Level
dB	Decibel
dBA	A-weighted decibels
DOT	Department of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
EPA	Environmental Protection Agency
Hz	Hertz
Ldn	Day-night average noise level
Leq	Equivalent sound level
Lmax	Maximum noise level
ONAC	Federal Office of Noise Abatement and Control
OSB	Oriented Strand Board
OSHA	Occupational Safety and Health Administration
PPV	Peak particle velocity
RMS	Root mean square
SEL	Single Event Level or Sound Exposure Level
STC	Sound Transmission Class
UMTA	Federal Urban Mass Transit Administration
VdB	Vibration velocity level in decibels

1.0 EXECUTIVE SUMMARY

1.1 Purpose of Analysis and Study Objectives

This Noise Impact Analysis has been prepared to determine the noise impacts associated with the proposed 1950-1960 East Grand Avenue Project (proposed project). The following is provided in this report:

- A description of the study area and the proposed project;
- Information regarding the fundamentals of noise;
- Information regarding the fundamentals of vibration;
- A description of the local noise guidelines and standards;
- An evaluation of the current noise environment;
- An analysis of the potential short-term construction-related noise impacts from the proposed project; and,
- An analysis of long-term operations-related noise impacts from the proposed project.

1.2 Site Location and Study Area

The project site is located in the City of El Segundo (City) and consists of two (2) parcels of land (1950 East Grand Avenue and 1960 E Grand Avenue; collectively, the "project site"). 1950 East Grand Avenue is 2.685 acres and currently contains an 11-level 819 parking space parking structure at the rear of the property. 1960 East Grand Avenue is 2.685 acres and currently contains a 12-story office building near the front of the property. The 5.37 acre total project site is bounded by Grand Avenue and office buildings to the north, office buildings to the east, a hotel and surface parking lot to the south, and a parking structure to the west. The project study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site are guests at the hotel located as near as 10 feet south of the project site. There is also a parking structure that is located as near as 15 feet to the west of the project site, however a parking structure is not a noise and vibration sensitive land use and no further analysis is provided in this report of the project impacts to the parking structure on the west side of the project site.

The nearest residents are at the multifamily homes located at the northwest corner of Holly Avenue and Indiana Street that are as near as 1,150 feet northwest of the project site. The nearest school is El Segundo Middle School that is located as near as a half mile west of the project site.

1.3 Proposed Project Description

A summary of the development proposed as part of the proposed project is detailed below and the proposed project site plan is shown in Figure 2.

1) On 1950 East Grand Avenue: Demolition of an existing 79-space surface parking lot and a row of 8 angled parking spaces located at the front of 1950 East Grand Avenue. Construction of a 4-story

93,559 net square foot office building with a mezzanine level that would contain a lobby area, a café/deli and two tenant spaces. On the west side of the new office building there will be an outdoor patio area and a truck loading area with two small truck loading spaces. A new backup diesel generator would be located on the north side of the existing parking structure and a new 23-space surface parking lot would be constructed on the east side of the existing parking structure in the rear of the lot.

2) On 1960 East Grand Avenue: Demolition of a passive open space area that currently contains walkways, with a few tables and benches. Construction of a 4-level 258 space parking structure.

3) Between the existing 12-story office building at 1960 East Grand Avenue and the new office building at 1950 East Grand Avenue: Construction of a large outdoor landscaped plaza with outdoor seating, and two outdoor firepits adjacent to the seating areas in order to provide a cohesive pedestrian-oriented office campus. A new fire lane will be constructed on the south side of the existing and new office buildings and will run from the driveway on the west side to the driveway on the east side of the project site.

1.4 Standard Noise Regulatory Conditions

The proposed project will be required to comply with the following regulatory conditions from the City of El Segundo and State of California.

City of El Segundo Noise and Vibration Regulations

The following lists the noise and vibration regulations from the Municipal Code that are applicable, but not limited to the proposed project.

- Section 7-2-4: Noise Standards
- Section 7-2-9: Vibration Limits
- Section 7-2-10(D): Construction Noise Exemptions

State of California Noise Regulations

The following lists the State of California noise regulations that are applicable, but not limited to the proposed project.

- California Vehicle Code Section 2700-27207 – On Road Vehicle Noise Limits
- California Vehicle Code Section 38365-38350 – Off-Road Vehicle Noise Limits

1.5 Summary of Analysis Results

The following is a summary of the proposed project's impacts with regard to the State CEQA Guidelines noise checklist questions.

Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than significant impact.

Generation of excessive groundborne vibration or groundborne noise levels?

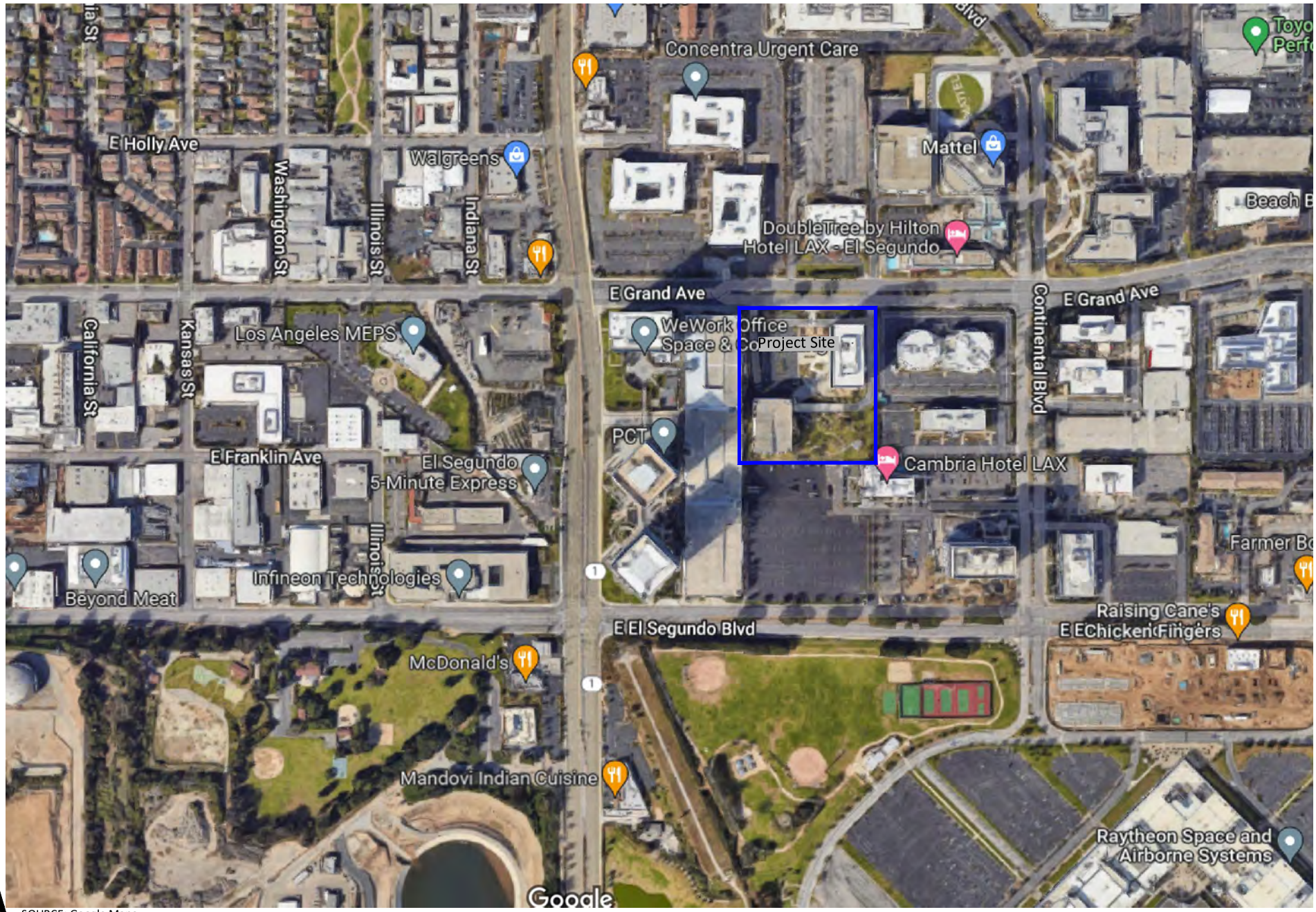
Less than significant impact.

For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less than significant impact.

1.6 Mitigation Measures for the Proposed Project

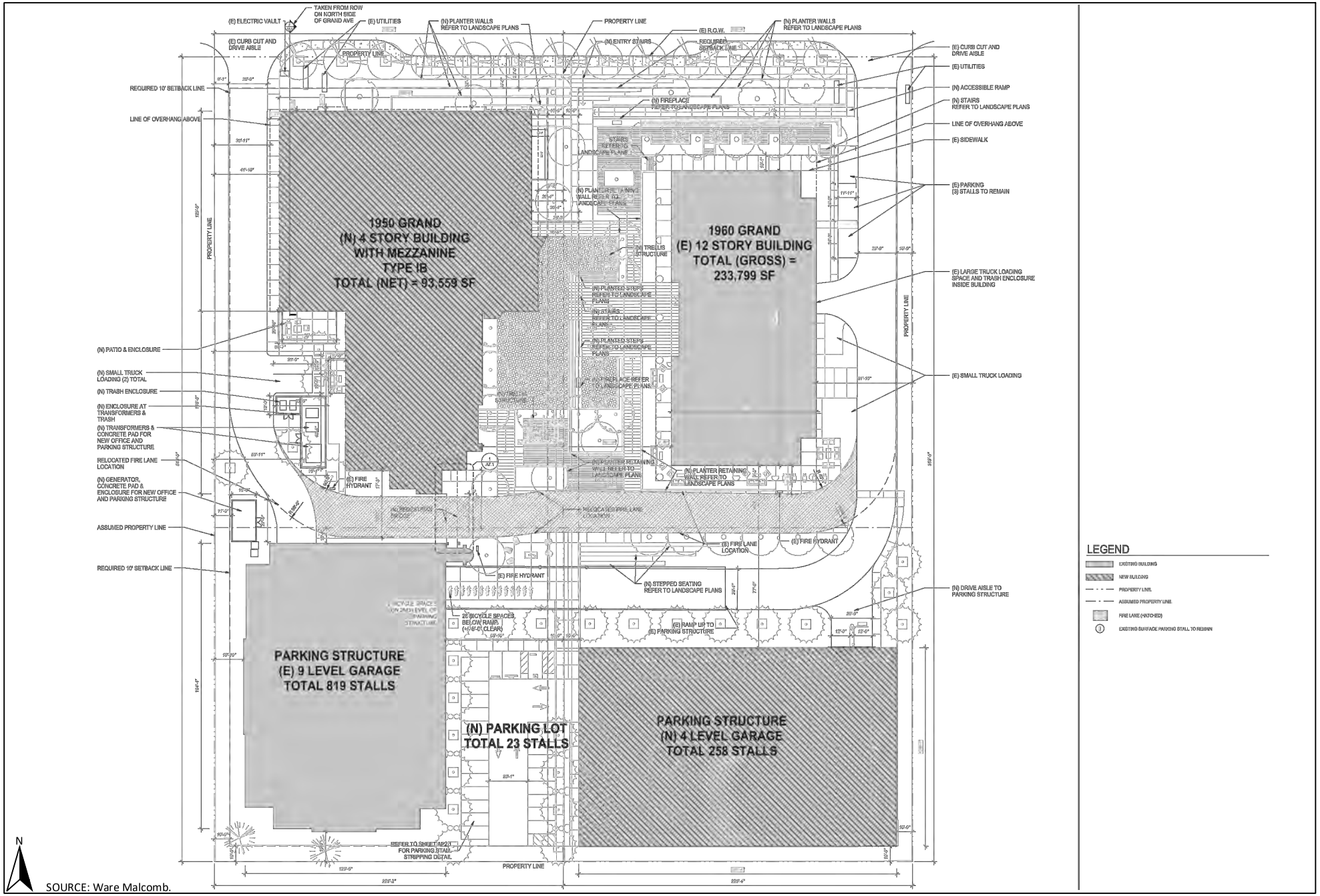
This analysis found that through adherence to the noise and vibration regulations detailed in Section 1.4 above, all noise and vibration impacts would be reduced to less than significant levels and no mitigation is required.



SOURCE: Google Maps.

VISTA ENVIRONMENTAL

Figure 1
Project Location Map



SOURCE: Ware Malcomb.

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 NOISE FUNDAMENTALS

Noise is defined as unwanted sound. Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Sound is produced by the vibration of sound pressure waves in the air. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

2.1 Noise Descriptors

Noise Equivalent sound levels are not measured directly, but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time of day corrections require the addition of ten decibels to sound levels at night between 10 p.m. and 7 a.m. The Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has an added 4.77 decibels to sound levels during the evening hours between 7 p.m. and 10 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of El Segundo also relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

2.2 Tone Noise

A pure tone noise is a noise produced at a single frequency and laboratory tests have shown that humans are more perceptible to changes in noise levels of a pure tone. For a noise source to contain a “pure tone,” there must be a significantly higher A-weighted sound energy in a given frequency band than in the neighboring bands, thereby causing the noise source to “stand out” against other noise sources. A pure tone occurs if the sound pressure level in the one-third octave band with the tone exceeds the average of the sound pressure levels of the two contiguous one-third octave bands by:

- 5 dB for center frequencies of 500 hertz (Hz) and above
- 8 dB for center frequencies between 160 and 400 Hz
- 15 dB for center frequencies of 125 Hz or less

2.3 Noise Propagation

From the noise source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise as the distance from the source increases. The manner in which noise reduces with distance depends on whether the source is a point or line source as well as ground absorption, atmospheric effects and refraction, and shielding by natural and manmade features. Sound

from point sources, such as air conditioning condensers, radiate uniformly outward as it travels away from the source in a spherical pattern. The noise drop-off rate associated with this geometric spreading is 6 dBA per each doubling of the distance (dBA/DD). Transportation noise sources such as roadways are typically analyzed as line sources, since at any given moment the receiver may be impacted by noise from multiple vehicles at various locations along the roadway. Because of the geometry of a line source, the noise drop-off rate associated with the geometric spreading of a line source is 3 dBA/DD.

2.4 Ground Absorption

The sound drop-off rate is highly dependent on the conditions of the land between the noise source and receiver. To account for this ground-effect attenuation (absorption), two types of site conditions are commonly used in traffic noise models, soft-site and hard-site conditions. Soft-site conditions account for the sound propagation loss over natural surfaces such as normal earth and ground vegetation. For point sources, a drop-off rate of 7.5 dBA/DD is typically observed over soft ground with landscaping, as compared with a 6.0 dBA/DD drop-off rate over hard ground such as asphalt, concrete, stone and very hard packed earth. For line sources a 4.5 dBA/DD is typically observed for soft-site conditions compared to the 3.0 dBA/DD drop-off rate for hard-site conditions. Caltrans research has shown that the use of soft-site conditions is more appropriate for the application of the Federal Highway Administration (FHWA) traffic noise prediction model used in this analysis as most ground surfaces between the source and receptor will provide some noise absorption.

3.0 GROUND-BORNE VIBRATION FUNDAMENTALS

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

3.1 Vibration Descriptors

There are several different methods that are used to quantify vibration amplitude such as the maximum instantaneous peak in the vibrations velocity, which is known as the peak particle velocity (PPV) or the root mean square (rms) amplitude of the vibration velocity. Due to the typically small amplitudes of vibrations, vibration velocity is often expressed in decibels and is denoted as (L_v) and is based on the rms velocity amplitude. A commonly used abbreviation is vibration decibels (VdB), which in this text, is when L_v is based on the reference quantity of 1 micro inch per second.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Off-site sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration.

3.3 Vibration Propagation

The propagation of ground-borne vibration is not as simple to model as airborne noise. This is due to the fact that noise in the air travels through a relatively uniform median, while ground-borne vibrations travel through the earth which may contain significant geological differences. There are three main types of vibration propagation; surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse or "side-to-side and perpendicular to the direction of propagation."

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 REGULATORY SETTING

The project site is located in the City of El Segundo. Noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Promulgating noise emission standards for interstate commerce
- Assisting state and local abatement efforts
- Promoting noise education and research

The Federal Office of Noise Abatement and Control (ONAC) was initially tasked with implementing the Noise Control Act. However, the ONAC has since been eliminated, leaving the development of federal noise policies and programs to other federal agencies and interagency committees. For example, the Occupational Safety and Health Administration (OSHA) agency prohibits exposure of workers to excessive sound levels. The Department of Transportation (DOT) assumed a significant role in noise control through its various operating agencies. The Federal Aviation Administration (FAA) regulates noise of aircraft and airports. Surface transportation system noise is regulated by a host of agencies, including the Federal Transit Administration (FTA). Transit noise is regulated by the federal Urban Mass Transit Administration (UMTA), while freeways that are part of the interstate highway system are regulated by the Federal Highway Administration (FHWA). Finally, the federal government actively advocates that local jurisdictions use their land use regulatory authority to arrange new development in such a way that "noise sensitive" uses are either prohibited from being sited adjacent to a highway or, alternately that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Although the proposed project is not under the jurisdiction of the FTA, the FTA is the only agency that has defined what constitutes a significant noise impact from implementing a project. The FTA standards are based on extensive studies by the FTA and other governmental agencies on the human effects and reaction to noise and a summary of the FTA findings are provided below in Table A.

Table A – FTA Project Effects on Cumulative Noise Exposure

Existing Noise Exposure (dBA Leq or Ldn)	Allowable Noise Impact Exposure dBA Leq or Ldn		
	Project Only	Combined	Noise Exposure Increase
45	51	52	+7
50	53	55	+5
55	55	58	+3
60	57	62	+2
65	60	66	+1
70	64	71	+1
75	65	75	0

Source: Federal Transit Administration, 2018.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by transportation sources, the City is restricted to regulating noise generated by the transportation system through nuisance abatement ordinances and land use planning.

4.2 State Regulations

Noise Standards

California Department of Health Services Office of Noise Control

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the "Land Use Compatibility for Community Noise Environments Matrix," which allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

California Noise Insulation Standards

Title 24, Chapter 1, Article 4 of the California Administrative Code (California Noise Insulation Standards) requires noise insulation in new hotels, motels, apartment houses, and dwellings (other than single-family detached housing) that provides an annual average noise level of no more than 45 dBA CNEL. When such structures are located within a 60-dBA CNEL (or greater) noise contour, an acoustical analysis is required to ensure that interior levels do not exceed the 45-dBA CNEL annual threshold. In addition, Title 21, Chapter 6, Article 1 of the California Administrative Code requires that all habitable rooms, hospitals, convalescent homes, and places of worship shall have an interior CNEL of 45 dB or less due to aircraft noise.

Government Code Section 65302

Government Code Section 65302 mandates that the legislative body of each county and city in California adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable.

Vibration Standards

Title 14 of the California Administrative Code Section 15000 requires that all state and local agencies implement the California Environmental Quality Act (CEQA) Guidelines, which requires the analysis of exposure of persons to excessive groundborne vibration. However, no statute has been adopted by the state that quantifies the level at which excessive groundborne vibration occurs.

Caltrans issued the *Transportation- and Construction-Induced Vibration Guidance Manual* in 2004. The manual provides practical guidance to Caltrans engineers, planners, and consultants who must address vibration issues associated with the construction, operation, and maintenance of Caltrans projects. However, this manual is also used as a reference point by many lead agencies and CEQA practitioners throughout California, as it provides numeric thresholds for vibration impacts. Thresholds are established for continuous (construction-related) and transient (transportation-related) sources of vibration, which found that the human response becomes distinctly perceptible at 0.25 inch per second PPV for transient sources and 0.04 inch per second PPV for continuous sources.

4.3 Local Regulations

The City of El Segundo General Plan and Municipal Code establishes the following applicable policies related to noise and vibration.

City of El Segundo General Plan

The City of El Segundo adopted their General Plan in 1992. The General Plan sets the long-term goals and policies that decision makers use to guide the growth and development in the City; and the Noise Element establishes the goals and policies associated with noise exposure within the City. Goals and policies that are applicable to implementation of the proposed project are presented below.

Goal N 1: Encourage a high quality environmental within all parts of the City of El Segundo where the public's health, safety, and welfare are not adversely affected by excessive noise.

Objectives & Policies

Objective N 1-1 It is the objective of the City of El Segundo to ensure that City residents are not exposed to mobile noise levels in excess of the interior and exterior noise standards or the single event noise standards specified in the El Segundo Municipal Code.

Policy N1-1.1 Continue to work for the elimination of adverse noise sources, especially from Los Angeles International Airport West Imperial Terminal, and from helicopter and aircraft flyovers.

Policy N1-1.2 Play an active role in the planning process associated with preparation of the Los Angeles International Airport Master Plan.

Policy N1-1.3 Continue to work with the City of Los Angeles Department of Airports to reduce the noise-impacted area around Los Angeles International Airport to zero.

Policy N1-1.4 Consider noise impacts from traffic arterials and railroads, as well as aircraft, when identifying potential new areas for residential land use.

Policy N1-1.5 Encourage state inspection and enforcement of noise standards for motor vehicles, including those involved in public transit.

Policy N1-1.6 Encourage the State Department of Transportation (DOT) to conduct an active highway noise abatement program with scenic/aesthetic consideration for Sepulveda Boulevard (State Route 1).

Policy N1-1.7 Monitor California Department of Transportation and Los Angeles County Transportation Commission noise abatement measures aimed at minimizing noise impacts associated with the I-105 Freeway and the Metro Rail Green Line.

Policy N1-8 Continue to develop zoning, subdivision, and development controls to prevent future encroachment of noise-sensitive uses into present or planned industrial or transportation system noise-impacted zones where adverse effects cannot be adequately mitigated.

Policy N1-9 Require review of all new development projects in the City for conformance with California Airport Noise Regulations and California Noise Insulation Standards (CCR Title 24) to ensure interior noise will not exceed acceptable levels.

Policy N1-10	Continue to develop and implement City programs to incorporate noise reduction measures into existing residential development where interior noise levels exceed acceptable standards.
Objective N 1-2	It is the objective of the City of El Segundo to ensure that City residents are not exposed to stationary noise levels in excess of El Segundo's Noise Ordinance standards.
Policy N1-2.1	Require all new projects to meet the City's Noise Ordinance Standards as a condition of building permit approval.
Objective N 1-3	It is the objective of the City of El Segundo that the City maintain intergovernmental coordination and public information programs which are highly efficient in their noise abatement efforts.
Policy N1-3.1	Encourage site planning to be consistent with the existing and future noise environment and promote development standards in which noise-sensitive projects and residences are mitigated from major noise sources. Shon-term and long-term noise control measures should be formulated in a manner compatible with community needs and expectations.
Policy N1-3.2	Work to remove non-conforming land uses (mixed usage such as residential uses in commercial or industrial land use designations) which result in noise incompatibility.
Policy N1-3.3	Employ effective noise mitigation techniques through appropriate provisions in the building code, subdivision procedures, and zoning and noise ordinances.
Policy N1-3.4	Urge continued federal and state research into noise problems and recommend additional research programs as problems are identified.
Policy N1-3.5	Support a continuous effort to evaluate noise levels in the City of El Segundo and to reduce unacceptable noise levels through the planning process.

City of El Segundo Municipal Code

Chapter 2 Noise and Vibration of the City of El Segundo Municipal Code sets forth the noise standards and regulations for noise related sources within the City.

7-2-4 Noise Standards

No person shall, at any location within the City, create any noise, nor shall any person allow the creation of any noise within the person's control of public or private property, which causes the noise level when measured on any other property, to exceed the applicable noise standards, except as set forth in subsection C1 of this Section.

A. Residential Property: **Five (5) dBA above the ambient noise level**.

B. Commercial and Industrial Property: **Eight (8) dBA above the ambient noise level**.

C. Adjustments:

1. Increases to the noise standards as set forth in subsections A and B of this Section may be permitted in accordance with the following:

Noise Standards Adjustments	
Permitted Increase (dBA)	**Duration of Increased Minutes)[1]**
0	30
5	15
10	5
15	1
20	Less than 1

Note:
[1] Cumulative minute during any one hour
Source: City of El Segundo, 2020.

2. If the receptor property is located on a boundary between two (2) different noise zones, the lower noise level standard applicable to the quieter zone shall apply.

7-2-8 Special Prohibitions.

The following acts, and the causing therefor, are declared to be in violation of the Noise and Vibration Chapter of the Municipal Code if they occur in such a manner as to disturb the peace, quiet, and comfort of any reasonable person of normal sensitivity residing in the area; and occur:

A. Between the hours of 10:00 PM and 7:00 AM:

1. Operating, playing or permitting the operation or playing of any radio, television, phonograph, drum, musical instrument, sound amplifier, or similar device which produces, reproduces or amplifies sound.
2. Using or operating any loudspeaker, public address system or similar device.
3. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans, or similar objects.

B. Between the hours of 8:00 PM and 7:00 AM:

1. Refuse collection vehicles:
    a. Collection of refuse with a collection vehicle in a residential area or within five hundred feet (500') thereof;
    b. Operation or permitting the operation of the compacting mechanism of any motor vehicle which compacts refuse in a residential area or within five hundred feet (500') thereof.
2. Loudspeakers/Public Address Systems: Using or operating for any commercial purpose any loudspeaker, public address system, or similar device on a public right of way or public space.
3. Powered Model: Operating or permitting the operation of powered models

7-2-9 Vibration.

Notwithstanding other sections of the Noise and Vibration Chapter of the Municipal Code, a person shall not create, maintain or cause any ground vibration which is perceptible, without the use of instructions, to any reasonable person of normal sensitivity at any point on any affected property.

7-2-10 Exemptions.

The following actives shall be exempted from the provisions of the Noise and Vibration Chapter of the Municipal Code:

A. School And Park Facilities: Authorized activities conducted on public school grounds and City park facilities, associated with normal operation of the facilities including, but not limited to, school and public athletic and entertainment events.

B. Mechanical Or Electronic Devices: Any mechanical or electronic device, apparatus or equipment used, related to or connected with emergency machinery, vehicle, work or warning alarm or bell, provided the sounding of any bell or alarm on any building or motor vehicle shall terminate its operation within fifteen (15) minutes of its activation.

C. Public Speaking Or Assemblies: Noncommercial public speaking and public assembly activities conducted on any public space or public right of way without the use of sound amplification equipment.

D. Construction Noise: Noise sources associated with or vibration created by construction, repair, or remodeling of any real property, provided said activities do not take place between the hours of six o'clock (6:00) P.M. and seven o'clock (7:00) A.M. Monday through Saturday, or at any time on Sunday or a Federal holiday, and provided the noise level created by such activities does not exceed the noise standard of **sixty five (65) dBA** plus the limits specified in subsection 7-2-4C of this Chapter as measured on the receptor residential property line and provided any vibration created does not endanger the public health, welfare and safety.

E. Real Property Maintenance: Noise sources associated with the maintenance of real property, provided said activities take place between the hours of seven o'clock (7:00) A.M. and eight o'clock (8:00) P.M. on any day except Sunday, or between the hours of nine o'clock (9:00) A.M. and eight o'clock (8:00) P.M. on Sunday.

F. Activities Preempted By State Or Federal Law: Any activity to the extent regulation thereof has been preempted by State or Federal law, including, but not limited to, aircraft, motor vehicles, railroads and other interstate carriers.

5.0 EXISTING NOISE CONDITIONS

To determine the existing noise levels, noise measurements have been taken in the vicinity of the project site. The field survey noted that noise within the proposed project area is generally characterized by vehicle traffic on Grand Avenue, which is located adjacent to the north side of the project site. The following describes the measurement procedures, measurement locations, noise measurement results, and the modeling of the existing noise environment.

5.1 Noise Measurement Equipment

The noise measurements were taken using three Larson Davis Model LXT1 Type 1 sound level meters programmed in "slow" mode to record the sound pressure level at 1-second intervals for 24 hours in "A" weighted form. In addition, the L_{eq} averaged over the entire measuring time and L_{max} were recorded with both sound level meters. The sound level meters and microphones were mounted on fences in the vicinity of the nearby homes west of the project site and on the project site. The noise meters were mounted on trees that were placed around six feet above the ground and were equipped with windscreens during all measurements. The noise meters were calibrated before and after the monitoring using a Larson Davis Cal200 calibrator. All noise level measurement equipment meets American National Standards Institute specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA).

Noise Measurement Locations

The noise monitoring locations were selected in order to obtain the existing noise levels on the project site and at the nearest residential uses located to the west of the project site. Descriptions of the noise monitoring sites are provided below in Table B and Appendix A includes a photo index of the study area and noise level measurement locations.

Noise Measurement Timing and Climate

The noise measurements were recorded between 11:50 a.m. on Wednesday, July 21, 2021 and 12:02 p.m. on Thursday, July 22, 2021. At the start of the noise measurements, the sky was clear (no clouds), the temperature was 81 degrees Fahrenheit, the humidity was 57 percent, barometric pressure was 29.71 inches of mercury, and the wind was blowing around three miles per hour. Overnight, the temperature dropped to 65 degrees Fahrenheit and the humidity peaked at 94 percent. At the conclusion of the noise measurements, the sky was partly cloudy, the temperature was 80 degrees Fahrenheit, the humidity was 64 percent, barometric pressure was 29.79 inches of mercury, and the wind was blowing around two miles per hour.

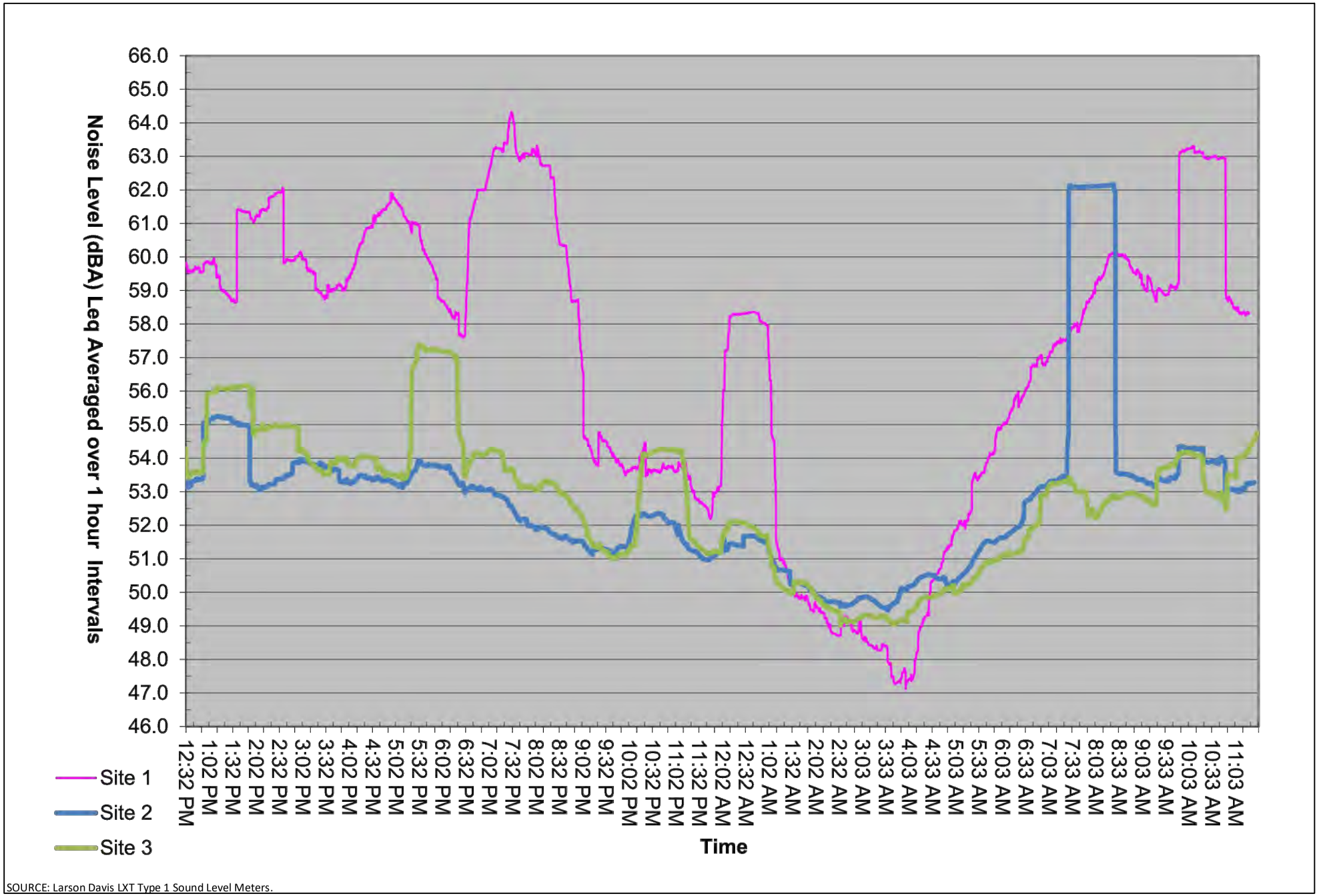
5.2 Noise Measurement Results

The results of the noise level measurements are presented in Table B. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over 1-hour intervals. Table B also shows the L_{eq}, L_{max}, and CNEL, based on the entire measurement time. The noise monitoring data printouts are included in Appendix B. Figure 3 shows a graph of the 24-hour noise measurements.

Table B – Existing (Ambient) Noise Level Measurements

Site No.	Site Description	Average (dBA L_{eq})		1-hr Average (dBA L_{eq}/Time)		Average (dBA CNEL)
		Daytime[1]	Nighttime[2]	Minimum	Maximum	
1	Located on a tree near the northwest corner of project site, approximately 80 feet south of Grand Avenue centerline.	60.4	53.6	47.1 3:58 a.m.	64.3 7:30 p.m.	62.8
2	Located on a tree approximately 30 feet west of the east property line and 440 feet south of Grand Avenue centerline.	55.0	51.0	49.5 3:28 a.m.	62.2 8:23 a.m.	58.5
3	Located on a tree approximately 5 feet north of the south property line, near the middle of the project site.	54.2	51.2	49.0 2:34 a.m.	57.4 5:31 p.m.	58.5

Notes:
[1] Daytime is defined as 7:00 a.m. to 10:00 p.m. (Section 7-2-8(A) of the Municipal Code)
[2] Nighttime define as 10:00 p.m. to 7:00 a.m. (Section 7-2-8(A) of the Municipal Code)
Source: Noise measurements taken between Wednesday, July 21 and Thursday, July 22, 2021.



SOURCE: Larson Davis LXT Type 1 Sound Level Meters.

VISTA ENVIRONMENTAL

Figure 3
Field Noise Measurements Graph

6.0 MODELING PARAMETERS AND ASSUMPTIONS

6.1 Construction Noise

The noise impacts from construction of the proposed project have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). The FHWA compiled noise measurement data regarding the noise generating characteristics of several different types of construction equipment used during the Central Artery/Tunnel project in Boston. Table C below provides a list of the construction equipment anticipated to be used for each phase of construction as detailed in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis 1950-1960 East Grand Avenue Project* (Air Quality Analysis), prepared by Vista Environmental, March 20, 2022.

Table C – Construction Equipment Noise Emissions and Usage Factors

Equipment Description	Number of Equipment	Acoustical Use Factor[1] (percent)	Spec 721.560 Lmax at 50 feet[2] (dBA, slow[3])	Actual Measured Lmax at 50 feet[4] (dBA, slow[3])
Demolition/Site Preparation				
Concrete/Industrial Saw	1	20	90	90
Excavator	3	40	85	81
Rubber Tired Dozer	2	40	85	83
Grading				
Excavator	1	40	85	81
Grader	1	40	85	N/A
Rubber Tired Dozer	1	40	85	82
Tractor	1	40	84	N/A
Front End Loader	1	40	80	79
Backhoe	1	40	80	78
Building Construction				
Crane	1	16	85	81
Forklift (Gradall)	3	40	85	83
Generator	1	20	90	90
Tractor	1	40	84	N/A
Front End Loader	1	40	80	79
Backhoe	1	40	80	78
Welder	1	40	73	74
Paving/Site Improvements				
Cement and Mortar Mixers	2	40	85	79
Paver	1	50	85	77
Paving Equipment	2	50	85	77
Rollers	2	20	85	80
Tractor	1	40	84	N/A
Architectural Coatings				
Air Compressor	1	40	80	78

Notes:
[1] Acoustical use factor is the percentage of time each piece of equipment is operational during a typical workday.
[2] Spec 721.560 is the equipment noise level utilized by the RCNM program.
[3] The "slow" response averages sound levels over 1-second increments. A "fast" response averages sound levels over 0.125-second increments.

[4] Actual Measured is the average noise level measured of each piece of equipment during the Central Artery/Tunnel project in Boston, Massachusetts primarily during the 1990s.
Source: Federal Highway Administration, 2006 and CalEEMod default equipment mix.

Table C also shows the associated measured noise emissions for each piece of equipment from the RCNM model and measured percentage of typical equipment use per day. Construction noise impacts to the nearest homes and hotel have been calculated according to the equipment noise levels and usage factors listed in Table C and through use of the RCNM. For each phase of construction, all construction equipment was analyzed based on being placed in the middle of the project site, which is based on the analysis methodology detailed in the *Transit Noise and Vibration Impact Assessment Manual* (FTA Manual), prepared by FTA, September 2018, for a General Assessment. The RCNM model printouts are provided in Appendix C.

6.2 Operational Noise

FHWA Roadway Noise Model Methodology

The proposed project would result in increases in traffic noise to the nearby roadways as well as introduce new sensitive receptors to the project site. The project impacts to the offsite roadways were analyzed through use of the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108 (FHWA Model) as detailed in the *Technical Noise Supplement to the Traffic Noise Analysis Protocol,* prepared by Caltrans, September 2013. The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Adjustments are then made to the reference energy mean emission level to account for:

- The roadway active width (i.e., the distance between the center of the outermost travel lanes on each side of the roadway);
- The total average daily traffic (ADT) and the percentage of ADT which flows during the day, evening and night, the travel speed, the vehicle mix on the roadway, which is a percentage of the volume of automobiles, medium trucks and heavy trucks, the roadway grade, the angle of view of the observer exposed to the roadway; and
- Site conditions ("hard" or "soft" relates to the absorption of the ground, pavement or landscaping).

The following section provides a discussion of the software and modeling input parameters used in this analysis and a discussion of the resultant existing noise model.

FHWA Model Traffic Noise Prediction Model Inputs

The roadway parameters used for this study are presented in Table D. The roadway classifications are based on the City's General Plan Circulation Element. The roadway speeds are based on the posted speed limits. The distance to the nearest sensitive receptors were determined by measuring the distance from the roadway centerline to the closest edge of the sensitive receptor structure. Since the study area is located in an area where landscaping exists along the sides of most of the analyzed roadways, soft site conditions were modeled.

Table D – FHWA Model Roadway Parameters

Roadway	Segment	General Plan Classification	Vehicle Speed (MPH)	Distance to Nearest Sensitive Recptor[1] (feet)
Pacific Coast Highway	North of Grand Avenue	Major Arterial	40	340
Pacific Coast Highway	South of El Segundo Blvd	Major Arterial	40	340
Nash Street	North of Grand Avenue	Secondary Arterial	35	130
Nash Street	South of Grand Avenue	Secondary Arterial	35	190
Grand Avenue	West of Pacific Coast Highway	Secondary Arterial	35	35
Grand Avenue	West of Continental Boulevard	Secondary Arterial	35	80
El Segundo Boulevard	East of Continental Boulevard	Major Arterial	40	160
El Segundo Boulevard	East of Nash Street	Major Arterial	40	80

Notes:
[1] Distance measured from nearest sensitive receptor structure to centerline of roadway.
Source: Vista Environmental; and City of El Segundo, 1992.

The average daily traffic (ADT) volumes were obtained from the *1950-1960 East Grand Avenue Project, El Segundo Draft Transportation Impact Analysis* (Traffic Analysis), prepared by Fehr and Peers, January 2022. The ADT volumes were calculated by multiplying the PM peak hour intersection volumes by 12. Table E shows the ADT volumes for both without project and with project conditions for the existing year and opening year 2024 scenarios.

Table E – FHWA Model Average Daily Traffic Volumes

		Average Daily Traffic Volumes			
Roadway	Segment	Existing	Existing + Project	Year 2024	Year 2024 + Project
Pacific Coast Highway	North of Grand Avenue	54,260	54,460	61,850	62,050
Pacific Coast Highway	South of El Segundo Boulevard	63,520	63,620	70,250	70,350
Nash Street	North of Grand Avenue	13,360	13,520	14,090	14,250
Nash Street	South of Grand Avenue	9,770	9,880	10,120	10,230
Grand Avenue	West of Pacific Coast Highway	12,290	12,340	17,110	17,160
Grand Avenue	West of Continental Boulevard	14,560	15,400	16,780	17,620
El Segundo Boulevard	East of Continental Boulevard	28,740	28,950	35,950	36,160
El Segundo Boulevard	East of Nash Street	35,620	35,950	43,730	44,060

Source: Fehr and Peers, 2022.

The vehicle mixes used in the FHWA-RD-77-108 Model are presented in Table F. The vehicle mix for State Route 1 is based on Caltrans data and the other roadways are based on typical vehicle mixes observed in Southern California.

Table F – Roadway Vehicle Mixes

Vehicle Type	Traffic Flow Distributions			
	Day (7 a.m. to 7 p.m.)	Evening (7 p.m. to 10 p.m.)	Night (10 p.m. to 7 a.m.)	Overall
Secondary Roadways (Nash Street and Grand Avenue)				
Automobiles	73.6%	13.6%	10.2%	97.4%
Medium Trucks	0.9%	0.9%	0.0%	1.8%
Heavy Trucks	0.4%	0.0%	0.4%	0.7%
Major Roadways (El Segundo Boulevard)				
Automobiles	69.5%	12.9%	9.6%	92.0%
Medium Trucks	1.4%	0.1%	1.5%	3.0%
Heavy Trucks	2.4%	0.1%	2.5%	5.0%
State Route 1 (Pacific Coast Highway)				
Automobiles	67.1%	13.7%	16.1%	96.9%
Medium Trucks	1.3%	0.2%	0.6%	2.1%
Heavy Trucks	0.5%	0.1%	0.4%	1.0%

Source: Caltrans, 2019; Vista Environmental.

FHWA Model Source Assumptions

To assess the roadway noise generation in a uniform manner, all vehicles are analyzed at the single lane equivalent acoustic center of the roadway being analyzed. In order to determine the height above the road grade where the noise is being emitted from, each type of vehicle has been analyzed independently with autos at road grade, medium trucks at 2.3 feet above road grade, and heavy trucks at 8 feet above road grade. These elevations were determined through a noise-weighted average of the elevation of the exhaust pipe, tires and mechanical parts in the engine, which are the primary noise emitters from a vehicle.

6.3 Vibration

Construction activity can result in varying degrees of ground vibration, depending on the equipment used on the site. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings in the vicinity of the project site respond to these vibrations with varying results ranging from no perceptible effects at the low levels to slight damage to the structures at the highest levels. Table G gives approximate vibration levels for particular construction equipment that is provided by the FTA, however it should be noted that not all of these equipment types would be used during construction of the proposed project. The data in Table G provides a reasonable estimate for a wide range of soil conditions.

Table G – Vibration Source Levels for Construction Equipment

Equipment		Peak Particle Velocity (inches/second)	Approximate Vibration Level (L_v)at 25 feet
Pile driver (impact)	Upper range	1.518	112
	typical	0.644	104
Pile driver (sonic)	Upper range	0.734	105
	typical	0.170	93
Clam shovel drop (slurry wall)		0.202	94
Vibratory Roller		0.210	94
Hoe Ram		0.089	87
Large bulldozer		0.089	87
Caisson drill		0.089	87
Loaded trucks		0.076	86
Jackhammer		0.035	79
Small bulldozer		0.003	58

Source: Federal Transit Administration, 2018.

The construction-related vibration impacts have been calculated through the vibration levels shown above in Table G and through typical vibration propagation rates. The equipment assumptions were based on the equipment lists provided above in Table C.

7.0 IMPACT ANALYSIS

7.1 CEQA Thresholds of Significance

Consistent with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines, a significant impact related to noise would occur if a proposed project is determined to result in:

- Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generation of excessive groundborne vibration or groundborne noise levels; or
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels.

7.2 Generation of Noise Levels in Excess of Standards

The proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The following section calculates the potential noise emissions associated with the temporary construction activities and long-term operations of the proposed project and compares the noise levels to the City standards.

Construction-Related Noise

The construction activities for the proposed project are anticipated to include demolition of an existing surface parking lot and passive open space area, grading of approximately 4 acres of the project site, building construction of the proposed office building, parking structure, surface parking lot and plaza, paving and site improvements, and application of architectural coatings. Noise impacts from construction activities associated with the proposed project would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities. The nearest sensitive receptors to the project site are guests at the hotel located as near as 10 feet south of the project site. The nearest residents are at the multifamily homes at the northwest corner of Holly Avenue and Indiana Street that are located as near as 1,150 feet northwest of the project site.

Section 7-2-10(D) of the City's Municipal Code exempts construction noise from the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m., except Sundays and Federal holidays and such activities do not exceed 65 dBA at the nearby residential properties. Since the City's construction noise standards do not provide any noise standards for impacts to the nearby commercial uses, that include the hotel to the south, the construction noise threshold of 85 dBA Leq for commercial uses from the FTA Manual, has been utilized in order to provide a conservative analysis.

Construction noise impacts to the nearby sensitive receptors have been calculated through use of the RCNM and the parameters and assumptions detailed in Section 6.1 of this report including Table C – Construction Equipment Noise Emissions and Usage Factors. The results are shown below in Table H and the RCNM printouts are provided in Appendix C.

Table H – Construction Noise Levels at the Nearby Sensitive Receptors

Construction Phase	Construction Noise Level (dBA Leq) at:	
	Hotel to South[1]	Nearest Homes to Northwest[2]
Demolition	72	58
Grading	71	57
Building Construction	72	58
Paving/Site Improvements	70	56
Architectural Coatings	59	45
Construction Noise Threshold[3]	**85**	**65**
Exceed Thresholds?	**No**	**No**

Notes:
[1] The hotel to the south is located as near as 270 feet from the center of the project site.
[2] The nearest homes to the northwest are located as near as 1,375 feet from the center of the project site.
[3] The construction noise threshold for the hotel to south obtained from the FTA Manual and for the nearest homes obtained from Section 7-2-10(D) of the Municipal Code.
Source: RCNM, Federal Highway Administration, 2006

Table H shows that greatest construction noise impacts would occur during the demolition and building construction phases, with a noise level as high as 72 dBA Leq at the hotel to the south and as high as 58 dBA Leq at the nearest homes to the northwest. The calculated construction noise levels shown in Table H for the hotel to the south are within the FTA daytime construction noise standard for of 85 dBA Leq for commercial uses and the nearest homes to the northwest are within the City's construction noise standard of 65 dBA. Therefore, through adherence to the limitation of allowable construction times provided in Section 7-2-10(D) of the Municipal Code, construction-related noise levels would not exceed any standards established in the General Plan or Noise Ordinance nor would construction activities create a substantial temporary increase in ambient noise levels from construction of the proposed project. Impacts would be less than significant.

Operational-Related Noise

The proposed project would consist of the development of an office building, parking structure, surface parking lot and plaza. Potential noise impacts associated with the operations of the proposed project would be from project-generated vehicular traffic on the nearby roadways and from onsite activities, which have been analyzed separately below.

Roadway Vehicular Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed project does not propose any uses that would require a substantial number of truck trips and the proposed project would not alter the speed limit on any existing roadway so the proposed project's potential offsite noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur with development of the proposed project.

Since neither the General Plan nor the CEQA Guidelines define what constitutes a "substantial permanent increase to ambient noise levels", this impact analysis has utilized guidance from the Federal Transit Administration for a moderate impact that has been detailed above in Table A that shows that the project

contribution to the noise environment can range between 0 and 7 dB, which is dependent on the existing noise levels.

The potential offsite traffic noise impacts created by the on-going operations of the proposed project have been analyzed through utilization of the FHWA model and parameters described above in Section 6.2 and the FHWA model traffic noise calculation spreadsheets are provided in Appendix D. The proposed project's potential offsite traffic noise impacts have been analyzed for the existing year and opening year 2024 conditions, which are discussed below.

Existing Year Conditions

The proposed project's potential offsite roadway noise impacts have been calculated through a comparison of the existing scenario to the existing with project scenario. The results of this comparison are shown in Table I.

Table I – Project Traffic Noise Contributions for Existing Year Conditions

		dBA CNEL at Nearest Receptor[1]				
Roadway	Segment	Existing	Existing Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.1	60.1	0.0	+2 dBA	No
Pacific Coast Highway	South of El Segundo Blvd	60.8	60.8	0.0	+2 dBA	No
Nash Street	North of Grand Avenue	57.7	57.7	0.0	+3 dBA	No
Nash Street	South of Grand Avenue	53.8	53.9	0.1	+5 dBA	No
Grand Avenue	West of Pacific Coast Hwy	67.3	67.3	0.0	+1 dBA	No
Grand Avenue	West of Continental Blvd	61.4	61.6	0.2	+2 dBA	No
El Segundo Boulevard	East of Continental Blvd	61.8	61.8	0.0	+2 dBA	No
El Segundo Boulevard	East of Nash Street	68.3	68.3	0.0	+1 dBA	No

Notes:
[1] Distance to nearest residential use shown in Table D, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table I shows that for the existing conditions, the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the existing year conditions. Impacts would be less than significant.

Opening Year 2024 Conditions

The proposed project's potential offsite roadway noise impacts have been calculated through a comparison of the opening year 2024 scenario to the opening year 2024 with project scenario. The results of this comparison are shown in Table J.

Table J – Project Traffic Noise Contributions for Opening Year 2024 Conditions

Roadway	Segment	dBA CNEL at Nearest Receptor[1] Year 2024	Year 2024 Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.7	60.7	0.0	+2 dBA	No
Pacific Coast Highway	South of El Segundo Blvd	61.2	61.2	0.0	+2 dBA	No
Nash Street	North of Grand Avenue	57.9	58.0	0.1	+3 dBA	No
Nash Street	South of Grand Avenue	54.0	54.0	0.0	+5 dBA	No
Grand Avenue	West of Pacific Coast Hwy	68.7	68.7	0.0	+1 dBA	No
Grand Avenue	West of Continental Blvd	62.0	62.2	0.2	+2 dBA	No
El Segundo Boulevard	East of Continental Blvd	62.7	62.8	0.1	+2 dBA	No
El Segundo Boulevard	East of Nash Street	69.1	69.2	0.1	+1 dBA	No

Notes:
[1] Distance to nearest residential use shown in Table D, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table J shows that for the opening year 2024 conditions, the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the opening year 2024 conditions. Impacts would be less than significant.

Onsite Noise Sources

The operation of the proposed project may create an increase in onsite noise levels from noise impacts from rooftop mechanical equipment, parking lots, a backup generator and delivery trucks. The exact size of the backup generator has not yet been determined, however similar projects that Vista Environmental has worked on have utilized a 250 kW 389 horsepower backup generator for these power requirements. As such, this analysis has analyzed the emissions created from a 250 kW 389 horsepower diesel-powered backup generator.

Section 7-2-4(A) of the City's Municipal Code limits the noise created on the project site at the nearby residential properties to the ambient noise level plus 5 dBA and Section 7-2-4(B) of the City's Municipal Code limits the noise created on the project site at the nearby commercial and industrial properties to the ambient noise level plus 8 dBA. Section 7-2-10(B) of the City's Municipal Code exempts noise created from the backup generator when it is being used during power outages, however the weekly cycling of the generator would not be exempt from the City's noise standards.

The nearest sensitive receptors to the project site are guests at the hotel located as near as 10 feet south of the project site. The nearest residents are at the multifamily homes at the northwest corner of Holly Avenue and Indiana Street that are located as near as 1,150 feet northwest of the project site.

In order to determine the noise impacts from the operation of rooftop mechanical equipment, parking lots, backup generator and delivery trucks, reference noise measurements were taken of each noise source and are shown in Table K and the reference noise measurements are provided in Appendix E. The noise levels from each source were calculated through use of soft site geometric spreading of noise from

a point source with a drop-off rate of 7.5 dB for each doubling of the distance between the source and receiver.

Table K – Operational Noise Levels at the Nearby Land Uses

	Reference Measurements		Hotel to South		Nearest Homes to Northwest	
Noise Source	Distance - Source to Receptor (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Hotel (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)
Rooftop Equipment[2]	10	66.6	360	21	1,200	8
Parking Lot	5	63.1	20	48	1,150	4
Truck Delivery	30	54.3	470	25	1,150	15
Backup Generator	27	74	430	44	1,350	32
Combined Noise Levels				**49**		**32**
Ambient Noise Levels (day/night)				**54/51**		**60/54**
City Noise Standard[2] (day/night)				**62/59**		**65/59**
Exceed City Noise Standard?				**No/No**		**No/No**

Notes:
[1] The noise levels were calculated through use of soft site geometric spreading of noise from a point source with a drop-off rate of 7.5 dB for each doubling of the distance between the source and receiver. Does not account for noise reduction features such as buildings and walls.
[2] City Noise Standards based on ambient noise level shown in Table B plus 5 dB at the residential uses and plus 8 dB for the commercial uses.

Table K shows that the proposed project's onsite operational noise from the anticipated onsite noise sources would not exceed the applicable noise standards at the hotel to the south or the nearest homes that are located 1,150 feet to the northwest of the project site. Therefore, operational onsite noise impacts would be less than significant.

Level of Significance

Less than significant impact.

7.3 Generation of Excessive Groundborne Vibration

The proposed project would not expose persons to or generation of excessive groundborne vibration or groundborne noise levels. The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

The construction activities for the proposed project are anticipated to include demolition of an existing surface parking lot and passive open space area, grading of approximately 4 acres of the project site, building construction of the proposed office building, parking structure, surface parking lot and plaza, paving and site improvements, and application of architectural coatings. Vibration impacts from construction activities associated with the proposed project would typically be created from the operation of heavy off-road equipment. The nearest offsite structure where people may sit, which makes them much more susceptible to vibration, would be the hotel that is located as near as 20 feet south of the location of the proposed parking structure.

Section 7-2-9 of the City's Municipal Code restricts the creation of vibration which is perceptible without the use of instruments to any reasonable person on normal sensitivity. However, since neither the

Municipal Code nor the General Plan provides a quantifiable vibration threshold level, Caltrans guidance that is detailed above in Section 4.2 has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second PPV.

The primary source of vibration during construction would be from the operation of a bulldozer. From Table G above a large bulldozer would create a vibration level of 0.089 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the hotel (20 feet away) would be 0.11 inch per second PPV, which would be below the 0.25 inch per second PPV threshold detailed above. Impacts would be less than significant.

Operations-Related Vibration Impacts

The proposed project would consist of the development of an office building, parking structure, surface parking lot and plaza. The proposed project would result in the operation of delivery trucks on the project site, which are a known source of vibration. The project-related delivery trucks activities would be located on the northwestern portion of the project site, where there are no vibration sensitive land uses located in the nearby proximity of where the delivery trucks would operate. As such, operations-related vibration impacts would be less than significant.

Level of Significance

Less than significant impact.

7.4 Aircraft Noise

The proposed project would not expose people residing or working in the project area to excessive noise levels from aircraft. The nearest airport is Los Angeles International Airport that is located as near as one mile north of the project site, however it should be noted that the Airport's runways run in generally in an east-west direction and the project site is located approximately in the middle of the Airport, so take-offs and landings do not typically occur over the project site. As detailed in *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report,* prepared November 13, 2019 (found at: https://www.lawa.org/lawa-environment/noise-management/lawa-noise-management-lax/quarterly-noise-reports-and-contour-maps), the project site is located outside of the 65 dBA CNEL noise contours of Los Angeles International Airport. Therefore, aircraft noise impacts would be less than significant.

Level of Significance

Less than significant impact.

8.0 REFERENCES

California Department of Transportation, *2016 Annual Average Daily Truck Traffic on the California State Highway System*, 2018.

California Department of Transportation (Caltrans), *Technical Noise Supplement to the Traffic Noise Analytics Protocol*, September 2013.

California Department of Transportation, *Transportation- and Construction-Induced Vibration Guidance Manual*, September 2013.

City of El Segundo, *The City of El Segundo General Plan 1992*, December 1, 1992.

City of El Segundo, *City Code of El Segundo 2000*, March 17, 2020.

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment,* September 2018.

Fehr and Peers, *1950-1960 East Grand Avenue Project, El Segundo Draft Transportation Impact Analysis,* January 2022.

Los Angeles World Airports, *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report,* November 13, 2019.

U.S. Department of Transportation, *FHWA Roadway Construction Noise Model User's Guide,* January, 2006.

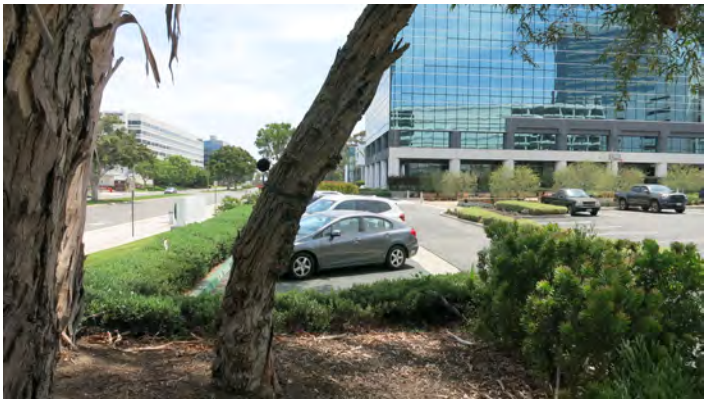
Vista Environmental, *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis 1950-1960 East Grand Avenue Project,* March 20, 2022.

APPENDIX A

Field Noise Measurements Photo Index

Noise Measurement Site 1 - looking north

Noise Measurement Site 1 - looking northeast



Noise Measurement Site 1 - looking east

Noise Measurement Site 1 - looking southeast

Noise Measurement Site 1 - looking south

Noise Measurement Site 1 - looking southwest

Noise Measurement Site 1 - looking west

Noise Measurement Site 1 - looking northwest

Noise Measurement Site 2 - looking north

Noise Measurement Site 2 - looking northeast

Noise Measurement Site 2 - looking east

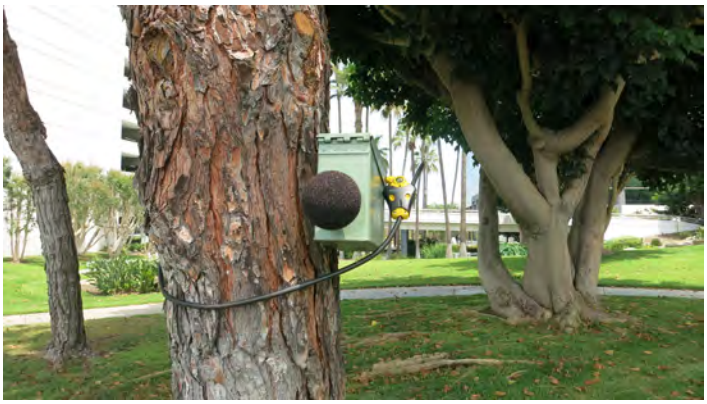
Noise Measurement Site 2 - looking southeast

Noise Measurement Site 2 - looking south

Noise Measurement Site 2 - looking southwest

Noise Measurement Site 2 - looking west

Noise Measurement Site 2 - looking northwest



Noise Measurement Site 3 - looking north

Noise Measurement Site 3 - looking northeast

Noise Measurement Site 3 - looking east

Noise Measurement Site 3 - looking southeast

Noise Measurement Site 3 - looking south

Noise Measurement Site 3 - looking southwest

Noise Measurement Site 3 - looking west

Noise Measurement Site 3 - looking northwest

APPENDIX B

Field Noise Measurements Printouts

Site 1 - Near Northwest Corner of Project Site

July 21, 2021 11:50:09 AM Leq Daytime = 60.4
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 53.6
Record Num = 86402 CNEL(24hr)= 62.8
Leq = 58.9 Ldn(24hr)= 61.9
Min = 43.0 Min Leq hr at 3:58 AM 47.1
Max = 89.8 Max Leq hr at 7:30 PM 64.3

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.8	11:50:09		61.8	61.8
59.5	11:50:10		59.5	59.5
58.6	11:50:11		58.6	58.6
60.1	11:50:12		60.1	60.1
62.0	11:50:13		62.0	62.0
62.5	11:50:14		62.5	62.5
61.1	11:50:15		61.1	61.1
66.6	11:50:16		66.6	66.6
63.8	11:50:17		63.8	63.8
70.1	11:50:18		70.1	70.1
67.3	11:50:19		67.3	67.3
68.4	11:50:20		68.4	68.4
64.3	11:50:21		64.3	64.3
60.4	11:50:22		60.4	60.4
58.6	11:50:23		58.6	58.6
56.3	11:50:24		56.3	56.3
55.1	11:50:25		55.1	55.1
56.1	11:50:26		56.1	56.1
56.8	11:50:27		56.8	56.8
56.0	11:50:28		56.0	56.0
56.3	11:50:29		56.3	56.3
65.2	11:50:30		65.2	65.2
68.8	11:50:31		68.8	68.8
65.4	11:50:32		65.4	65.4
66.1	11:50:33		66.1	66.1
66.1	11:50:34		66.1	66.1
65.5	11:50:35		65.5	65.5
62.6	11:50:36		62.6	62.6
61.0	11:50:37		61.0	61.0
61.1	11:50:38		61.1	61.1
61.7	11:50:39		61.7	61.7
64.8	11:50:40		64.8	64.8
66.4	11:50:41		66.4	66.4
67.2	11:50:42		67.2	67.2
67.4	11:50:43		67.4	67.4
67.5	11:50:44		67.5	67.5
65.7	11:50:45		65.7	65.7
63.8	11:50:46		63.8	63.8
62.8	11:50:47		62.8	62.8
61.1	11:50:48		61.1	61.1
59.8	11:50:49		59.8	59.8
58.7	11:50:50		58.7	58.7
62.0	11:50:51		62.0	62.0
66.2	11:50:52		66.2	66.2
68.3	11:50:53		68.3	68.3
65.5	11:50:54		65.5	65.5
62.5	11:50:55		62.5	62.5
60.2	11:50:56		60.2	60.2
59.1	11:50:57		59.1	59.1
63.4	11:50:58		63.4	63.4
63.5	11:50:59		63.5	63.5
62.4	11:51:00		62.4	62.4
65.1	11:51:01		65.1	65.1
64.6	11:51:02		64.6	64.6
64.7	11:51:03		64.7	64.7
65.9	11:51:04		65.9	65.9
67.1	11:51:05		67.1	67.1
67.8	11:51:06		67.8	67.8
66.0	11:51:07		66.0	66.0
67.7	11:51:08		67.7	67.7
66.2	11:51:09		66.2	66.2
64.1	11:51:10		64.1	64.1
66.1	11:51:11		66.1	66.1
65.1	11:51:12		65.1	65.1
62.2	11:51:13		62.2	62.2
60.0	11:51:14		60.0	60.0
66.7	11:51:15		66.7	66.7
63.7	11:51:16		63.7	63.7
62.5	11:51:17		62.5	62.5
68.9	11:51:18		68.9	68.9
72.3	11:51:19		72.3	72.3
69.1	11:51:20		69.1	69.1
65.6	11:51:21		65.6	65.6
63.6	11:51:22		63.6	63.6
61.7	11:51:23		61.7	61.7
59.4	11:51:24		59.4	59.4
58.6	11:51:25		58.6	58.6
64.8	11:51:26		64.8	64.8
62.3	11:51:27		62.3	62.3
65.3	11:51:28		65.3	65.3
64.2	11:51:29		64.2	64.2
64.5	11:51:30		64.5	64.5
71.3	11:51:31		71.3	71.3
68.4	11:51:32		68.4	68.4
67.0	11:51:33		67.0	67.0
65.6	11:51:34		65.6	65.6
63.8	11:51:35		63.8	63.8
61.8	11:51:36		61.8	61.8
60.8	11:51:37		60.8	60.8
58.6	11:51:38		58.6	58.6
59.6	11:51:39		59.6	59.6
62.7	11:51:40		62.7	62.7
65.6	11:51:41		65.6	65.6
64.3	11:51:42		64.3	64.3
63.1	11:51:43		63.1	63.1
66.8	11:51:44		66.8	66.8
65.8	11:51:45		65.8	65.8
62.8	11:51:46		62.8	62.8
62.2	11:51:47		62.2	62.2
62.0	11:51:48		62.0	62.0
60.9	11:51:49		60.9	60.9
60.1	11:51:50		60.1	60.1
59.7	11:51:51		59.7	59.7
61.4	11:51:52		61.4	61.4
61.2	11:51:53		61.2	61.2
58.9	11:51:54		58.9	58.9
57.2	11:51:55		57.2	57.2
55.9	11:51:56		55.9	55.9
54.9	11:51:57		54.9	54.9
54.3	11:51:58		54.3	54.3
53.8	11:51:59		53.8	53.8
53.3	11:52:00		53.3	53.3
53.4	11:52:01		53.4	53.4
53.9	11:52:02		53.9	53.9
54.4	11:52:03		54.4	54.4
54.5	11:52:04		54.5	54.5
54.9	11:52:05		54.9	54.9
55.9	11:52:06		55.9	55.9
55.6	11:52:07		55.6	55.6
56.6	11:52:08		56.6	56.6
57.5	11:52:09		57.5	57.5
58.5	11:52:10		58.5	58.5
58.1	11:52:11		58.1	58.1
57.3	11:52:12		57.3	57.3
57.1	11:52:13		57.1	57.1
57.1	11:52:14		57.1	57.1
57.3	11:52:15		57.3	57.3
57.6	11:52:16		57.6	57.6
57.9	11:52:17		57.9	57.9
59.2	11:52:18		59.2	59.2
60.4	11:52:19		60.4	60.4
60.4	11:52:20		60.4	60.4
60.8	11:52:21		60.8	60.8
61.5	11:52:22		61.5	61.5
61.0	11:52:23		61.0	61.0
60.3	11:52:24		60.3	60.3
58.7	11:52:25		58.7	58.7
57.1	11:52:26		57.1	57.1
56.0	11:52:27		56.0	56.0
55.0	11:52:28		55.0	55.0
54.4	11:52:29		54.4	54.4
54.2	11:52:30		54.2	54.2
54.2	11:52:31		54.2	54.2
53.6	11:52:32		53.6	53.6
53.0	11:52:33		53.0	53.0
52.8	11:52:34		52.8	52.8
55.7	11:52:35		55.7	55.7
54.3	11:52:36		54.3	54.3
53.5	11:52:37		53.5	53.5
53.4	11:52:38		53.4	53.4
53.3	11:52:39		53.3	53.3
53.0	11:52:40		53.0	53.0
52.9	11:52:41		52.9	52.9
52.8	11:52:42		52.8	52.8
52.8	11:52:43		52.8	52.8
53.0	11:52:44		53.0	53.0
53.3	11:52:45		53.3	53.3
53.9	11:52:46		53.9	53.9
54.3	11:52:47		54.3	54.3
54.6	11:52:48		54.6	54.6
54.9	11:52:49		54.9	54.9
55.2	11:52:50		55.2	55.2
55.4	11:52:51		55.4	55.4
56.3	11:52:52		56.3	56.3
57.1	11:52:53		57.1	57.1

Site 2 - On East Side of Project Site

July 21, 2021 11:57:34 AM Leq Daytime = 55.0
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 51.0
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Leq = 53.9 Ldn(24hr)= 58.3
Min = 47.6 Min Leq hr at 3:28 AM 49.5
Max = 90.3 Max Leq hr at 8:23 AM 62.2

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
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56.0	11:57:35		56.0	56.0
63.5	11:57:36		63.5	63.5
61.4	11:57:37		61.4	61.4
57.0	11:57:38		57.0	57.0
61.5	11:57:39		61.5	61.5
60.1	11:57:40		60.1	60.1
56.5	11:57:41		56.5	56.5
55.0	11:57:42		55.0	55.0
61.3	11:57:43		61.3	61.3
57.8	11:57:44		57.8	57.8
63.1	11:57:45		63.1	63.1
61.3	11:57:46		61.3	61.3
58.1	11:57:47		58.1	58.1
62.6	11:57:48		62.6	62.6
61.8	11:57:49		61.8	61.8
60.0	11:57:50		60.0	60.0
61.7	11:57:51		61.7	61.7
60.8	11:57:52		60.8	60.8
62.3	11:57:53		62.3	62.3
63.4	11:57:54		63.4	63.4
63.9	11:57:55		63.9	63.9
64.0	11:57:56		64.0	64.0
56.4	11:57:57		56.4	56.4
58.0	11:57:58		58.0	58.0
58.1	11:57:59		58.1	58.1
56.3	11:58:00		56.3	56.3
55.0	11:58:01		55.0	55.0
55.1	11:58:02		55.1	55.1
55.9	11:58:03		55.9	55.9
54.0	11:58:04		54.0	54.0
52.4	11:58:05		52.4	52.4
58.7	11:58:06		58.7	58.7
57.4	11:58:07		57.4	57.4
55.4	11:58:08		55.4	55.4
62.8	11:58:09		62.8	62.8
59.5	11:58:10		59.5	59.5
64.1	11:58:11		64.1	64.1
63.2	11:58:12		63.2	63.2
61.6	11:58:13		61.6	61.6
64.6	11:58:14		64.6	64.6
62.6	11:58:15		62.6	62.6
55.1	11:58:16		55.1	55.1
54.3	11:58:17		54.3	54.3
55.6	11:58:18		55.6	55.6
53.6	11:58:19		53.6	53.6
57.3	11:58:20		57.3	57.3
59.8	11:58:21		59.8	59.8
57.2	11:58:22		57.2	57.2
58.2	11:58:23		58.2	58.2
58.6	11:58:24		58.6	58.6
58.4	11:58:25		58.4	58.4
62.6	11:58:26		62.6	62.6
63.6	11:58:27		63.6	63.6
63.9	11:58:28		63.9	63.9
63.4	11:58:29		63.4	63.4
60.9	11:58:30		60.9	60.9
54.8	11:58:31		54.8	54.8
54.0	11:58:32		54.0	54.0
61.7	11:58:33		61.7	61.7
57.7	11:58:34		57.7	57.7
60.3	11:58:35		60.3	60.3
56.2	11:58:36		56.2	56.2
62.6	11:58:37		62.6	62.6
59.4	11:58:38		59.4	59.4
56.7	11:58:39		56.7	56.7
55.4	11:58:40		55.4	55.4
55.1	11:58:41		55.1	55.1
56.4	11:58:42		56.4	56.4
54.4	11:58:43		54.4	54.4
53.3	11:58:44		53.3	53.3
53.3	11:58:45		53.3	53.3
53.9	11:58:46		53.9	53.9
54.4	11:58:47		54.4	54.4
53.5	11:58:48		53.5	53.5
53.1	11:58:49		53.1	53.1
53.0	11:58:50		53.0	53.0
53.0	11:58:51		53.0	53.0
52.9	11:58:52		52.9	52.9
53.0	11:58:53		53.0	53.0
53.4	11:58:54		53.4	53.4
53.5	11:58:55		53.5	53.5
53.3	11:58:56		53.3	53.3
53.3	11:58:57		53.3	53.3
53.1	11:58:58		53.1	53.1
53.1	11:58:59		53.1	53.1
52.9	11:59:00		52.9	52.9
52.5	11:59:01		52.5	52.5
52.4	11:59:02		52.4	52.4
52.2	11:59:03		52.2	52.2
52.2	11:59:04		52.2	52.2
52.2	11:59:05		52.2	52.2
52.2	11:59:06		52.2	52.2
52.2	11:59:07		52.2	52.2
52.1	11:59:08		52.1	52.1
52.4	11:59:09		52.4	52.4
52.5	11:59:10		52.5	52.5
52.6	11:59:11		52.6	52.6
52.6	11:59:12		52.6	52.6
52.5	11:59:13		52.5	52.5
52.3	11:59:14		52.3	52.3
52.2	11:59:15		52.2	52.2
52.1	11:59:16		52.1	52.1
52.0	11:59:17		52.0	52.0
52.3	11:59:18		52.3	52.3
52.3	11:59:19		52.3	52.3
52.4	11:59:20		52.4	52.4
52.5	11:59:21		52.5	52.5
52.7	11:59:22		52.7	52.7
52.7	11:59:23		52.7	52.7
52.5	11:59:24		52.5	52.5
52.6	11:59:25		52.6	52.6
52.8	11:59:26		52.8	52.8
52.6	11:59:27		52.6	52.6
52.6	11:59:28		52.6	52.6
53.0	11:59:29		53.0	53.0
53.1	11:59:30		53.1	53.1
52.9	11:59:31		52.9	52.9
52.8	11:59:32		52.8	52.8
52.8	11:59:33		52.8	52.8
52.7	11:59:34		52.7	52.7
52.7	11:59:35		52.7	52.7
52.8	11:59:36		52.8	52.8
52.7	11:59:37		52.7	52.7
52.7	11:59:38		52.7	52.7
52.6	11:59:39		52.6	52.6
52.4	11:59:40		52.4	52.4
52.2	11:59:41		52.2	52.2
52.2	11:59:42		52.2	52.2
52.2	11:59:43		52.2	52.2
52.4	11:59:44		52.4	52.4
52.4	11:59:45		52.4	52.4
52.3	11:59:46		52.3	52.3
52.3	11:59:47		52.3	52.3
52.3	11:59:48		52.3	52.3
52.4	11:59:49		52.4	52.4
52.5	11:59:50		52.5	52.5
52.5	11:59:51		52.5	52.5
52.6	11:59:52		52.6	52.6
53.0	11:59:53		53.0	53.0
53.0	11:59:54		53.0	53.0
52.9	11:59:55		52.9	52.9
52.6	11:59:56		52.6	52.6
52.4	11:59:57		52.4	52.4
52.2	11:59:58		52.2	52.2
52.3	11:59:59		52.3	52.3
52.4	12:00:00		52.4	52.4
52.5	12:00:01		52.5	52.5
52.6	12:00:02		52.6	52.6
52.5	12:00:03		52.5	52.5
52.8	12:00:04		52.8	52.8
52.7	12:00:05		52.7	52.7
52.6	12:00:06		52.6	52.6
52.7	12:00:07		52.7	52.7
53.0	12:00:08		53.0	53.0
53.2	12:00:09		53.2	53.2
53.1	12:00:10		53.1	53.1
53.0	12:00:11		53.0	53.0
53.0	12:00:12		53.0	53.0
53.1	12:00:13		53.1	53.1
53.1	12:00:14		53.1	53.1
53.0	12:00:15		53.0	53.0
53.2	12:00:16		53.2	53.2
53.1	12:00:17		53.1	53.1
53.1	12:00:18		53.1	53.1

Site 3 - On South Side of Project Site

July 21, 2021 12:02:31 PM Leq Daytime = 54.2
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 51.2
Record Num = 86401 CNEL(24hr)= 58.5
Leq = 53.3 Ldn(24hr)= 58.2
Min = 47.4 Min Leq hr at 2:34 AM 49.0
Max = 81.8 Max Leq hr at 5:31 PM 57.4

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.7	12:02:31		64.7	64.7
61.1	12:02:32		61.1	61.1
62.6	12:02:33		62.6	62.6
65.3	12:02:34		65.3	65.3
66.5	12:02:35		66.5	66.5
62.1	12:02:36		62.1	62.1
61.9	12:02:37		61.9	61.9
69.7	12:02:38		69.7	69.7
65.9	12:02:39		65.9	65.9
62.2	12:02:40		62.2	62.2
62.4	12:02:41		62.4	62.4
61.6	12:02:42		61.6	61.6
65.0	12:02:43		65.0	65.0
66.5	12:02:44		66.5	66.5
66.7	12:02:45		66.7	66.7
65.9	12:02:46		65.9	65.9
64.5	12:02:47		64.5	64.5
62.7	12:02:48		62.7	62.7
63.4	12:02:49		63.4	63.4
63.2	12:02:50		63.2	63.2
60.6	12:02:51		60.6	60.6
60.6	12:02:52		60.6	60.6
64.7	12:02:53		64.7	64.7
61.6	12:02:54		61.6	61.6
61.2	12:02:55		61.2	61.2
57.8	12:02:56		57.8	57.8
63.6	12:02:57		63.6	63.6
59.4	12:02:58		59.4	59.4
55.8	12:02:59		55.8	55.8
62.6	12:03:00		62.6	62.6
62.0	12:03:01		62.0	62.0
59.2	12:03:02		59.2	59.2
63.0	12:03:03		63.0	63.0
63.9	12:03:04		63.9	63.9
62.3	12:03:05		62.3	62.3
58.7	12:03:06		58.7	58.7
57.3	12:03:07		57.3	57.3
58.5	12:03:08		58.5	58.5
58.2	12:03:09		58.2	58.2
57.5	12:03:10		57.5	57.5
56.7	12:03:11		56.7	56.7
61.1	12:03:12		61.1	61.1
60.8	12:03:13		60.8	60.8
60.5	12:03:14		60.5	60.5
59.2	12:03:15		59.2	59.2
62.4	12:03:16		62.4	62.4
65.8	12:03:17		65.8	65.8
69.2	12:03:18		69.2	69.2
65.7	12:03:19		65.7	65.7
62.4	12:03:20		62.4	62.4
66.1	12:03:21		66.1	66.1
66.1	12:03:22		66.1	66.1
63.0	12:03:23		63.0	63.0
60.5	12:03:24		60.5	60.5
58.8	12:03:25		58.8	58.8
57.1	12:03:26		57.1	57.1
55.9	12:03:27		55.9	55.9
55.6	12:03:28		55.6	55.6
55.8	12:03:29		55.8	55.8
55.7	12:03:30		55.7	55.7
55.8	12:03:31		55.8	55.8
55.6	12:03:32		55.6	55.6
55.4	12:03:33		55.4	55.4
55.5	12:03:34		55.5	55.5
55.7	12:03:35		55.7	55.7
56.0	12:03:36		56.0	56.0
56.4	12:03:37		56.4	56.4
56.7	12:03:38		56.7	56.7
57.1	12:03:39		57.1	57.1
57.0	12:03:40		57.0	57.0
56.8	12:03:41		56.8	56.8
57.2	12:03:42		57.2	57.2
57.1	12:03:43		57.1	57.1
56.6	12:03:44		56.6	56.6
56.6	12:03:45		56.6	56.6
56.5	12:03:46		56.5	56.5
56.6	12:03:47		56.6	56.6
57.3	12:03:48		57.3	57.3
57.1	12:03:49		57.1	57.1
56.4	12:03:50		56.4	56.4
55.8	12:03:51		55.8	55.8
55.7	12:03:52		55.7	55.7
56.4	12:03:53		56.4	56.4
56.8	12:03:54		56.8	56.8
56.8	12:03:55		56.8	56.8
56.6	12:03:56		56.6	56.6
56.5	12:03:57		56.5	56.5
56.9	12:03:58		56.9	56.9
57.4	12:03:59		57.4	57.4
58.0	12:04:00		58.0	58.0
58.0	12:04:01		58.0	58.0
57.7	12:04:02		57.7	57.7
57.4	12:04:03		57.4	57.4
57.3	12:04:04		57.3	57.3
58.5	12:04:05		58.5	58.5
59.3	12:04:06		59.3	59.3
60.9	12:04:07		60.9	60.9
62.9	12:04:08		62.9	62.9
65.0	12:04:09		65.0	65.0
67.7	12:04:10		67.7	67.7
68.2	12:04:11		68.2	68.2
68.8	12:04:12		68.8	68.8
68.7	12:04:13		68.7	68.7
60.3	12:04:14		60.3	60.3
61.2	12:04:15		61.2	61.2
61.2	12:04:16		61.2	61.2
60.8	12:04:17		60.8	60.8
60.1	12:04:18		60.1	60.1
58.9	12:04:19		58.9	58.9
59.6	12:04:20		59.6	59.6
57.7	12:04:21		57.7	57.7
65.6	12:04:22		65.6	65.6
63.8	12:04:23		63.8	63.8
63.1	12:04:24		63.1	63.1
63.6	12:04:25		63.6	63.6
62.1	12:04:26		62.1	62.1
60.0	12:04:27		60.0	60.0
58.8	12:04:28		58.8	58.8
59.2	12:04:29		59.2	59.2
58.7	12:04:30		58.7	58.7
57.9	12:04:31		57.9	57.9
57.5	12:04:32		57.5	57.5
57.1	12:04:33		57.1	57.1
56.3	12:04:34		56.3	56.3
55.8	12:04:35		55.8	55.8
56.0	12:04:36		56.0	56.0
56.2	12:04:37		56.2	56.2
56.6	12:04:38		56.6	56.6
56.8	12:04:39		56.8	56.8
56.0	12:04:40		56.0	56.0
54.6	12:04:41		54.6	54.6
53.6	12:04:42		53.6	53.6
53.2	12:04:43		53.2	53.2
53.5	12:04:44		53.5	53.5
53.9	12:04:45		53.9	53.9
53.5	12:04:46		53.5	53.5
52.8	12:04:47		52.8	52.8
52.3	12:04:48		52.3	52.3
52.0	12:04:49		52.0	52.0
51.8	12:04:50		51.8	51.8
51.8	12:04:51		51.8	51.8
51.9	12:04:52		51.9	51.9
52.0	12:04:53		52.0	52.0
52.1	12:04:54		52.1	52.1
52.1	12:04:55		52.1	52.1
52.1	12:04:56		52.1	52.1
52.0	12:04:57		52.0	52.0
51.9	12:04:58		51.9	51.9
52.0	12:04:59		52.0	52.0
51.9	12:05:00		51.9	51.9
51.7	12:05:01		51.7	51.7
51.6	12:05:02		51.6	51.6
51.5	12:05:03		51.5	51.5
51.5	12:05:04		51.5	51.5
51.5	12:05:05		51.5	51.5
51.3	12:05:06		51.3	51.3
51.2	12:05:07		51.2	51.2
51.2	12:05:08		51.2	51.2
51.2	12:05:09		51.2	51.2
51.1	12:05:10		51.1	51.1
50.9	12:05:11		50.9	50.9
50.9	12:05:12		50.9	50.9
50.9	12:05:13		50.9	50.9
50.8	12:05:14		50.8	50.8
50.7	12:05:15		50.7	50.7

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.2	11:52:54		58.2	58.2
60.0	11:52:55		60.0	60.0
62.7	11:52:56		62.7	62.7
62.8	11:52:57		62.8	62.8
64.3	11:52:58		64.3	64.3
66.6	11:52:59		66.6	66.6
66.5	11:53:00		66.5	66.5
65.6	11:53:01		65.6	65.6
64.4	11:53:02		64.4	64.4
64.5	11:53:03		64.5	64.5
64.1	11:53:04		64.1	64.1
64.2	11:53:05		64.2	64.2
64.3	11:53:06		64.3	64.3
63.4	11:53:07		63.4	63.4
62.3	11:53:08		62.3	62.3
60.5	11:53:09		60.5	60.5
60.0	11:53:10		60.0	60.0
59.1	11:53:11		59.1	59.1
58.1	11:53:12		58.1	58.1
58.6	11:53:13		58.6	58.6
58.5	11:53:14		58.5	58.5
59.1	11:53:15		59.1	59.1
60.5	11:53:16		60.5	60.5
63.4	11:53:17		63.4	63.4
63.4	11:53:18		63.4	63.4
63.8	11:53:19		63.8	63.8
65.0	11:53:20		65.0	65.0
64.5	11:53:21		64.5	64.5
64.4	11:53:22		64.4	64.4
62.9	11:53:23		62.9	62.9
60.8	11:53:24		60.8	60.8
59.2	11:53:25		59.2	59.2
58.2	11:53:26		58.2	58.2
57.4	11:53:27		57.4	57.4
56.9	11:53:28		56.9	56.9
56.9	11:53:29		56.9	56.9
57.3	11:53:30		57.3	57.3
57.2	11:53:31		57.2	57.2
57.2	11:53:32		57.2	57.2
57.8	11:53:33		57.8	57.8
58.4	11:53:34		58.4	58.4
59.6	11:53:35		59.6	59.6
59.6	11:53:36		59.6	59.6
58.8	11:53:37		58.8	58.8
57.8	11:53:38		57.8	57.8
57.2	11:53:39		57.2	57.2
57.3	11:53:40		57.3	57.3
57.4	11:53:41		57.4	57.4
58.2	11:53:42		58.2	58.2
57.4	11:53:43		57.4	57.4
57.0	11:53:44		57.0	57.0
56.7	11:53:45		56.7	56.7
56.1	11:53:46		56.1	56.1
55.8	11:53:47		55.8	55.8
56.6	11:53:48		56.6	56.6
57.5	11:53:49		57.5	57.5
57.9	11:53:50		57.9	57.9
58.8	11:53:51		58.8	58.8
59.5	11:53:52		59.5	59.5
61.0	11:53:53		61.0	61.0
60.6	11:53:54		60.6	60.6
60.7	11:53:55		60.7	60.7
59.8	11:53:56		59.8	59.8
58.5	11:53:57		58.5	58.5
57.7	11:53:58		57.7	57.7
56.7	11:53:59		56.7	56.7
56.6	11:54:00		56.6	56.6
56.3	11:54:01		56.3	56.3
55.8	11:54:02		55.8	55.8
54.9	11:54:03		54.9	54.9
54.3	11:54:04		54.3	54.3
53.9	11:54:05		53.9	53.9
53.7	11:54:06		53.7	53.7
54.0	11:54:07		54.0	54.0
54.5	11:54:08		54.5	54.5
54.9	11:54:09		54.9	54.9
56.2	11:54:10		56.2	56.2
57.9	11:54:11		57.9	57.9
59.7	11:54:12		59.7	59.7
60.2	11:54:13		60.2	60.2
61.1	11:54:14		61.1	61.1
61.0	11:54:15		61.0	61.0
59.9	11:54:16		59.9	59.9
59.0	11:54:17		59.0	59.0
57.5	11:54:18		57.5	57.5
55.9	11:54:19		55.9	55.9
55.1	11:54:20		55.1	55.1
54.9	11:54:21		54.9	54.9
55.0	11:54:22		55.0	55.0
55.9	11:54:23		55.9	55.9
56.8	11:54:24		56.8	56.8
57.2	11:54:25		57.2	57.2
56.5	11:54:26		56.5	56.5
56.4	11:54:27		56.4	56.4
56.8	11:54:28		56.8	56.8
57.8	11:54:29		57.8	57.8
58.4	11:54:30		58.4	58.4
59.3	11:54:31		59.3	59.3
60.1	11:54:32		60.1	60.1
61.9	11:54:33		61.9	61.9
61.5	11:54:34		61.5	61.5
61.3	11:54:35		61.3	61.3
59.5	11:54:36		59.5	59.5
58.5	11:54:37		58.5	58.5
59.7	11:54:38		59.7	59.7
59.6	11:54:39		59.6	59.6
57.3	11:54:40		57.3	57.3
55.7	11:54:41		55.7	55.7
56.9	11:54:42		56.9	56.9
57.5	11:54:43		57.5	57.5
58.4	11:54:44		58.4	58.4
57.8	11:54:45		57.8	57.8
58.3	11:54:46		58.3	58.3
59.3	11:54:47		59.3	59.3
59.0	11:54:48		59.0	59.0
59.1	11:54:49		59.1	59.1
58.2	11:54:50		58.2	58.2
56.7	11:54:51		56.7	56.7
55.2	11:54:52		55.2	55.2
53.8	11:54:53		53.8	53.8
53.1	11:54:54		53.1	53.1
53.2	11:54:55		53.2	53.2
53.2	11:54:56		53.2	53.2
52.9	11:54:57		52.9	52.9
53.0	11:54:58		53.0	53.0
53.4	11:54:59		53.4	53.4
54.3	11:55:00		54.3	54.3
54.5	11:55:01		54.5	54.5
54.4	11:55:02		54.4	54.4
54.6	11:55:03		54.6	54.6
54.4	11:55:04		54.4	54.4
54.0	11:55:05		54.0	54.0
53.7	11:55:06		53.7	53.7
53.4	11:55:07		53.4	53.4
53.6	11:55:08		53.6	53.6
53.9	11:55:09		53.9	53.9
55.8	11:55:10		55.8	55.8
58.7	11:55:11		58.7	58.7
61.0	11:55:12		61.0	61.0
61.7	11:55:13		61.7	61.7
61.5	11:55:14		61.5	61.5
61.0	11:55:15		61.0	61.0
60.6	11:55:16		60.6	60.6
61.9	11:55:17		61.9	61.9
63.3	11:55:18		63.3	63.3
63.4	11:55:19		63.4	63.4
64.4	11:55:20		64.4	64.4
63.9	11:55:21		63.9	63.9
65.2	11:55:22		65.2	65.2
64.8	11:55:23		64.8	64.8
64.9	11:55:24		64.9	64.9
64.9	11:55:25		64.9	64.9
65.0	11:55:26		65.0	65.0
63.8	11:55:27		63.8	63.8
62.7	11:55:28		62.7	62.7
61.9	11:55:29		61.9	61.9
62.3	11:55:30		62.3	62.3
61.0	11:55:31		61.0	61.0
60.0	11:55:32		60.0	60.0
59.4	11:55:33		59.4	59.4
58.6	11:55:34		58.6	58.6
59.1	11:55:35		59.1	59.1
59.2	11:55:36		59.2	59.2
58.7	11:55:37		58.7	58.7
59.0	11:55:38		59.0	59.0
60.1	11:55:39		60.1	60.1
60.4	11:55:40		60.4	60.4
60.6	11:55:41		60.6	60.6
60.5	11:55:42		60.5	60.5
60.6	11:55:43		60.6	60.6
60.9	11:55:44		60.9	60.9
61.5	11:55:45		61.5	61.5
60.8	11:55:46		60.8	60.8
60.7	11:55:47		60.7	60.7
59.0	11:55:48		59.0	59.0
57.1	11:55:49		57.1	57.1

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.1	12:00:19		53.1	53.1
52.9	12:00:20		52.9	52.9
52.9	12:00:21		52.9	52.9
53.0	12:00:22		53.0	53.0
52.9	12:00:23		52.9	52.9
53.1	12:00:24		53.1	53.1
53.4	12:00:25		53.4	53.4
53.8	12:00:26		53.8	53.8
53.7	12:00:27		53.7	53.7
53.7	12:00:28		53.7	53.7
53.9	12:00:29		53.9	53.9
53.5	12:00:30		53.5	53.5
53.4	12:00:31		53.4	53.4
53.5	12:00:32		53.5	53.5
53.3	12:00:33		53.3	53.3
53.0	12:00:34		53.0	53.0
52.9	12:00:35		52.9	52.9
52.9	12:00:36		52.9	52.9
52.8	12:00:37		52.8	52.8
52.7	12:00:38		52.7	52.7
52.6	12:00:39		52.6	52.6
52.7	12:00:40		52.7	52.7
52.6	12:00:41		52.6	52.6
52.6	12:00:42		52.6	52.6
52.6	12:00:43		52.6	52.6
52.6	12:00:44		52.6	52.6
52.5	12:00:45		52.5	52.5
52.4	12:00:46		52.4	52.4
52.3	12:00:47		52.3	52.3
52.4	12:00:48		52.4	52.4
52.5	12:00:49		52.5	52.5
52.5	12:00:50		52.5	52.5
52.4	12:00:51		52.4	52.4
52.4	12:00:52		52.4	52.4
52.4	12:00:53		52.4	52.4
52.7	12:00:54		52.7	52.7
52.6	12:00:55		52.6	52.6
52.7	12:00:56		52.7	52.7
53.0	12:00:57		53.0	53.0
53.0	12:00:58		53.0	53.0
52.9	12:00:59		52.9	52.9
53.1	12:01:00		53.1	53.1
53.2	12:01:01		53.2	53.2
52.9	12:01:02		52.9	52.9
52.6	12:01:03		52.6	52.6
52.5	12:01:04		52.5	52.5
52.4	12:01:05		52.4	52.4
52.3	12:01:06		52.3	52.3
52.4	12:01:07		52.4	52.4
52.5	12:01:08		52.5	52.5
53.6	12:01:09		53.6	53.6
53.8	12:01:10		53.8	53.8
53.5	12:01:11		53.5	53.5
53.0	12:01:12		53.0	53.0
52.6	12:01:13		52.6	52.6
52.3	12:01:14		52.3	52.3
52.2	12:01:15		52.2	52.2
52.0	12:01:16		52.0	52.0
51.8	12:01:17		51.8	51.8
51.8	12:01:18		51.8	51.8
52.1	12:01:19		52.1	52.1
52.3	12:01:20		52.3	52.3
52.3	12:01:21		52.3	52.3
52.1	12:01:22		52.1	52.1
52.3	12:01:23		52.3	52.3
52.5	12:01:24		52.5	52.5
52.8	12:01:25		52.8	52.8
53.0	12:01:26		53.0	53.0
52.8	12:01:27		52.8	52.8
52.4	12:01:28		52.4	52.4
52.2	12:01:29		52.2	52.2
52.0	12:01:30		52.0	52.0
52.0	12:01:31		52.0	52.0
52.1	12:01:32		52.1	52.1
52.2	12:01:33		52.2	52.2
52.3	12:01:34		52.3	52.3
52.4	12:01:35		52.4	52.4
52.3	12:01:36		52.3	52.3
52.5	12:01:37		52.5	52.5
52.6	12:01:38		52.6	52.6
52.7	12:01:39		52.7	52.7
52.7	12:01:40		52.7	52.7
52.7	12:01:41		52.7	52.7
52.8	12:01:42		52.8	52.8
52.8	12:01:43		52.8	52.8
52.8	12:01:44		52.8	52.8
52.6	12:01:45		52.6	52.6
52.5	12:01:46		52.5	52.5
52.4	12:01:47		52.4	52.4
52.4	12:01:48		52.4	52.4
52.4	12:01:49		52.4	52.4
52.7	12:01:50		52.7	52.7
52.7	12:01:51		52.7	52.7
52.4	12:01:52		52.4	52.4
52.2	12:01:53		52.2	52.2
52.2	12:01:54		52.2	52.2
52.2	12:01:55		52.2	52.2
52.1	12:01:56		52.1	52.1
52.3	12:01:57		52.3	52.3
52.5	12:01:58		52.5	52.5
52.6	12:01:59		52.6	52.6
52.6	12:02:00		52.6	52.6
52.6	12:02:01		52.6	52.6
52.6	12:02:02		52.6	52.6
52.6	12:02:03		52.6	52.6
52.6	12:02:04		52.6	52.6
52.4	12:02:05		52.4	52.4
52.3	12:02:06		52.3	52.3
52.3	12:02:07		52.3	52.3
52.5	12:02:08		52.5	52.5
52.5	12:02:09		52.5	52.5
52.3	12:02:10		52.3	52.3
52.1	12:02:11		52.1	52.1
52.1	12:02:12		52.1	52.1
52.0	12:02:13		52.0	52.0
52.1	12:02:14		52.1	52.1
52.1	12:02:15		52.1	52.1
52.0	12:02:16		52.0	52.0
52.3	12:02:17		52.3	52.3
52.6	12:02:18		52.6	52.6
53.1	12:02:19		53.1	53.1
53.6	12:02:20		53.6	53.6
53.1	12:02:21		53.1	53.1
53.1	12:02:22		53.1	53.1
53.6	12:02:23		53.6	53.6
53.4	12:02:24		53.4	53.4
53.3	12:02:25		53.3	53.3
53.1	12:02:26		53.1	53.1
53.0	12:02:27		53.0	53.0
52.6	12:02:28		52.6	52.6
52.5	12:02:29		52.5	52.5
52.6	12:02:30		52.6	52.6
52.9	12:02:31		52.9	52.9
53.0	12:02:32		53.0	53.0
53.0	12:02:33		53.0	53.0
53.1	12:02:34		53.1	53.1
52.9	12:02:35		52.9	52.9
52.7	12:02:36		52.7	52.7
52.7	12:02:37		52.7	52.7
52.7	12:02:38		52.7	52.7
52.6	12:02:39		52.6	52.6
52.7	12:02:40		52.7	52.7
52.6	12:02:41		52.6	52.6
52.5	12:02:42		52.5	52.5
52.5	12:02:43		52.5	52.5
52.5	12:02:44		52.5	52.5
52.5	12:02:45		52.5	52.5
52.7	12:02:46		52.7	52.7
52.7	12:02:47		52.7	52.7
52.8	12:02:48		52.8	52.8
53.2	12:02:49		53.2	53.2
54.3	12:02:50		54.3	54.3
53.4	12:02:51		53.4	53.4
53.0	12:02:52		53.0	53.0
53.0	12:02:53		53.0	53.0
53.1	12:02:54		53.1	53.1
53.2	12:02:55		53.2	53.2
53.0	12:02:56		53.0	53.0
52.8	12:02:57		52.8	52.8
52.9	12:02:58		52.9	52.9
52.7	12:02:59		52.7	52.7
52.6	12:03:00		52.6	52.6
52.7	12:03:01		52.7	52.7
52.5	12:03:02		52.5	52.5
52.2	12:03:03		52.2	52.2
52.1	12:03:04		52.1	52.1
52.2	12:03:05		52.2	52.2
52.5	12:03:06		52.5	52.5
52.7	12:03:07		52.7	52.7
52.4	12:03:08		52.4	52.4
52.3	12:03:09		52.3	52.3
52.3	12:03:10		52.3	52.3
52.4	12:03:11		52.4	52.4
52.2	12:03:12		52.2	52.2
53.0	12:03:13		53.0	53.0
55.4	12:03:14		55.4	55.4

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
50.7	12:05:16		50.7	50.7
50.7	12:05:17		50.7	50.7
50.6	12:05:18		50.6	50.6
50.6	12:05:19		50.6	50.6
50.7	12:05:20		50.7	50.7
50.9	12:05:21		50.9	50.9
51.1	12:05:22		51.1	51.1
51.1	12:05:23		51.1	51.1
51.4	12:05:24		51.4	51.4
51.2	12:05:25		51.2	51.2
51.1	12:05:26		51.1	51.1
51.2	12:05:27		51.2	51.2
51.3	12:05:28		51.3	51.3
51.3	12:05:29		51.3	51.3
51.0	12:05:30		51.0	51.0
51.1	12:05:31		51.1	51.1
51.1	12:05:32		51.1	51.1
51.2	12:05:33		51.2	51.2
51.1	12:05:34		51.1	51.1
51.1	12:05:35		51.1	51.1
51.3	12:05:36		51.3	51.3
51.3	12:05:37		51.3	51.3
51.4	12:05:38		51.4	51.4
51.9	12:05:39		51.9	51.9
51.9	12:05:40		51.9	51.9
52.0	12:05:41		52.0	52.0
51.9	12:05:42		51.9	51.9
51.7	12:05:43		51.7	51.7
51.6	12:05:44		51.6	51.6
51.5	12:05:45		51.5	51.5
51.5	12:05:46		51.5	51.5
51.8	12:05:47		51.8	51.8
52.1	12:05:48		52.1	52.1
52.1	12:05:49		52.1	52.1
52.1	12:05:50		52.1	52.1
52.2	12:05:51		52.2	52.2
52.2	12:05:52		52.2	52.2
52.2	12:05:53		52.2	52.2
52.2	12:05:54		52.2	52.2
52.3	12:05:55		52.3	52.3
52.2	12:05:56		52.2	52.2
52.2	12:05:57		52.2	52.2
52.2	12:05:58		52.2	52.2
52.2	12:05:59		52.2	52.2
52.1	12:06:00		52.1	52.1
51.9	12:06:01		51.9	51.9
52.0	12:06:02		52.0	52.0
52.1	12:06:03		52.1	52.1
52.1	12:06:04		52.1	52.1
52.4	12:06:05		52.4	52.4
52.2	12:06:06		52.2	52.2
52.3	12:06:07		52.3	52.3
52.6	12:06:08		52.6	52.6
52.7	12:06:09		52.7	52.7
52.6	12:06:10		52.6	52.6
52.4	12:06:11		52.4	52.4
52.5	12:06:12		52.5	52.5
52.4	12:06:13		52.4	52.4
52.4	12:06:14		52.4	52.4
52.4	12:06:15		52.4	52.4
52.2	12:06:16		52.2	52.2
52.1	12:06:17		52.1	52.1
51.8	12:06:18		51.8	51.8
51.7	12:06:19		51.7	51.7
51.8	12:06:20		51.8	51.8
51.9	12:06:21		51.9	51.9
51.7	12:06:22		51.7	51.7
51.5	12:06:23		51.5	51.5
51.4	12:06:24		51.4	51.4
51.1	12:06:25		51.1	51.1
51.0	12:06:26		51.0	51.0
50.9	12:06:27		50.9	50.9
51.0	12:06:28		51.0	51.0
51.1	12:06:29		51.1	51.1
51.1	12:06:30		51.1	51.1
51.1	12:06:31		51.1	51.1
51.0	12:06:32		51.0	51.0
51.0	12:06:33		51.0	51.0
51.0	12:06:34		51.0	51.0
50.9	12:06:35		50.9	50.9
51.0	12:06:36		51.0	51.0
51.2	12:06:37		51.2	51.2
51.3	12:06:38		51.3	51.3
51.5	12:06:39		51.5	51.5
51.8	12:06:40		51.8	51.8
51.9	12:06:41		51.9	51.9
52.1	12:06:42		52.1	52.1
52.2	12:06:43		52.2	52.2
52.2	12:06:44		52.2	52.2
52.4	12:06:45		52.4	52.4
52.5	12:06:46		52.5	52.5
52.7	12:06:47		52.7	52.7
52.8	12:06:48		52.8	52.8
52.9	12:06:49		52.9	52.9
53.0	12:06:50		53.0	53.0
53.0	12:06:51		53.0	53.0
53.0	12:06:52		53.0	53.0
53.1	12:06:53		53.1	53.1
52.9	12:06:54		52.9	52.9
52.5	12:06:55		52.5	52.5
52.2	12:06:56		52.2	52.2
52.2	12:06:57		52.2	52.2
52.1	12:06:58		52.1	52.1
51.9	12:06:59		51.9	51.9
51.8	12:07:00		51.8	51.8
52.2	12:07:01		52.2	52.2
52.1	12:07:02		52.1	52.1
52.0	12:07:03		52.0	52.0
51.9	12:07:04		51.9	51.9
51.7	12:07:05		51.7	51.7
51.6	12:07:06		51.6	51.6
51.9	12:07:07		51.9	51.9
52.0	12:07:08		52.0	52.0
52.0	12:07:09		52.0	52.0
52.1	12:07:10		52.1	52.1
52.1	12:07:11		52.1	52.1
52.2	12:07:12		52.2	52.2
52.2	12:07:13		52.2	52.2
52.3	12:07:14		52.3	52.3
52.4	12:07:15		52.4	52.4
52.8	12:07:16		52.8	52.8
53.0	12:07:17		53.0	53.0
52.7	12:07:18		52.7	52.7
52.4	12:07:19		52.4	52.4
52.5	12:07:20		52.5	52.5
52.4	12:07:21		52.4	52.4
51.9	12:07:22		51.9	51.9
51.7	12:07:23		51.7	51.7
51.7	12:07:24		51.7	51.7
51.5	12:07:25		51.5	51.5
51.5	12:07:26		51.5	51.5
51.4	12:07:27		51.4	51.4
51.3	12:07:28		51.3	51.3
51.1	12:07:29		51.1	51.1
51.4	12:07:30		51.4	51.4
51.4	12:07:31		51.4	51.4
51.4	12:07:32		51.4	51.4
51.4	12:07:33		51.4	51.4
51.5	12:07:34		51.5	51.5
51.3	12:07:35		51.3	51.3
51.4	12:07:36		51.4	51.4
51.3	12:07:37		51.3	51.3
51.3	12:07:38		51.3	51.3
51.2	12:07:39		51.2	51.2
51.0	12:07:40		51.0	51.0
50.9	12:07:41		50.9	50.9
50.8	12:07:42		50.8	50.8
50.8	12:07:43		50.8	50.8
50.9	12:07:44		50.9	50.9
51.0	12:07:45		51.0	51.0
51.1	12:07:46		51.1	51.1
51.2	12:07:47		51.2	51.2
51.1	12:07:48		51.1	51.1
51.2	12:07:49		51.2	51.2
51.2	12:07:50		51.2	51.2
51.1	12:07:51		51.1	51.1
51.2	12:07:52		51.2	51.2
51.2	12:07:53		51.2	51.2
51.2	12:07:54		51.2	51.2
51.2	12:07:55		51.2	51.2
51.3	12:07:56		51.3	51.3
51.5	12:07:57		51.5	51.5
51.7	12:07:58		51.7	51.7
51.9	12:07:59		51.9	51.9
51.8	12:08:00		51.8	51.8
51.8	12:08:01		51.8	51.8
51.8	12:08:02		51.8	51.8
51.7	12:08:03		51.7	51.7
51.6	12:08:04		51.6	51.6
51.6	12:08:05		51.6	51.6
51.4	12:08:06		51.4	51.4
51.4	12:08:07		51.4	51.4
51.4	12:08:08		51.4	51.4
51.5	12:08:09		51.5	51.5
51.6	12:08:10		51.6	51.6
51.6	12:08:11		51.6	51.6

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
55.6	11:55:50		55.6	55.6
54.7	11:55:51		54.7	54.7
54.3	11:55:52		54.3	54.3
54.2	11:55:53		54.2	54.2
54.3	11:55:54		54.3	54.3
54.6	11:55:55		54.6	54.6
55.2	11:55:56		55.2	55.2
55.3	11:55:57		55.3	55.3
54.9	11:55:58		54.9	54.9
55.0	11:55:59		55.0	55.0
55.5	11:56:00		55.5	55.5
56.3	11:56:01		56.3	56.3
56.5	11:56:02		56.5	56.5
56.1	11:56:03		56.1	56.1
55.4	11:56:04		55.4	55.4
54.4	11:56:05		54.4	54.4
53.6	11:56:06		53.6	53.6
53.6	11:56:07		53.6	53.6
53.2	11:56:08		53.2	53.2
53.9	11:56:09		53.9	53.9
55.1	11:56:10		55.1	55.1
54.9	11:56:11		54.9	54.9
54.9	11:56:12		54.9	54.9
55.8	11:56:13		55.8	55.8
55.5	11:56:14		55.5	55.5
54.5	11:56:15		54.5	54.5
53.8	11:56:16		53.8	53.8
53.4	11:56:17		53.4	53.4
53.3	11:56:18		53.3	53.3
53.9	11:56:19		53.9	53.9
56.9	11:56:20		56.9	56.9
59.9	11:56:21		59.9	59.9
61.8	11:56:22		61.8	61.8
61.5	11:56:23		61.5	61.5
62.2	11:56:24		62.2	62.2
63.5	11:56:25		63.5	63.5
66.2	11:56:26		66.2	66.2
65.9	11:56:27		65.9	65.9
64.3	11:56:28		64.3	64.3
61.6	11:56:29		61.6	61.6
59.2	11:56:30		59.2	59.2
57.1	11:56:31		57.1	57.1
55.7	11:56:32		55.7	55.7
54.9	11:56:33		54.9	54.9
55.0	11:56:34		55.0	55.0
55.0	11:56:35		55.0	55.0
54.4	11:56:36		54.4	54.4
53.8	11:56:37		53.8	53.8
53.3	11:56:38		53.3	53.3
53.2	11:56:39		53.2	53.2
53.0	11:56:40		53.0	53.0
53.0	11:56:41		53.0	53.0
53.2	11:56:42		53.2	53.2
53.2	11:56:43		53.2	53.2
53.0	11:56:44		53.0	53.0
52.9	11:56:45		52.9	52.9
53.2	11:56:46		53.2	53.2
53.7	11:56:47		53.7	53.7
54.6	11:56:48		54.6	54.6
56.7	11:56:49		56.7	56.7
59.7	11:56:50		59.7	59.7
61.4	11:56:51		61.4	61.4
60.1	11:56:52		60.1	60.1
59.4	11:56:53		59.4	59.4
58.2	11:56:54		58.2	58.2
56.8	11:56:55		56.8	56.8
56.3	11:56:56		56.3	56.3
56.0	11:56:57		56.0	56.0
55.5	11:56:58		55.5	55.5
55.5	11:56:59		55.5	55.5
55.2	11:57:00		55.2	55.2
55.0	11:57:01		55.0	55.0
54.4	11:57:02		54.4	54.4
53.7	11:57:03		53.7	53.7
53.3	11:57:04		53.3	53.3
53.0	11:57:05		53.0	53.0
53.1	11:57:06		53.1	53.1
53.5	11:57:07		53.5	53.5
54.1	11:57:08		54.1	54.1
54.7	11:57:09		54.7	54.7
55.6	11:57:10		55.6	55.6
56.3	11:57:11		56.3	56.3
56.2	11:57:12		56.2	56.2
56.2	11:57:13		56.2	56.2
56.6	11:57:14		56.6	56.6
57.2	11:57:15		57.2	57.2
57.7	11:57:16		57.7	57.7
57.9	11:57:17		57.9	57.9
57.3	11:57:18		57.3	57.3
56.6	11:57:19		56.6	56.6
57.3	11:57:20		57.3	57.3
58.6	11:57:21		58.6	58.6
61.4	11:57:22		61.4	61.4
60.8	11:57:23		60.8	60.8
60.6	11:57:24		60.6	60.6
59.3	11:57:25		59.3	59.3
58.2	11:57:26		58.2	58.2
57.4	11:57:27		57.4	57.4
56.9	11:57:28		56.9	56.9
56.2	11:57:29		56.2	56.2
55.3	11:57:30		55.3	55.3
54.6	11:57:31		54.6	54.6
54.3	11:57:32		54.3	54.3
54.4	11:57:33		54.4	54.4
54.8	11:57:34		54.8	54.8
55.8	11:57:35		55.8	55.8
56.6	11:57:36		56.6	56.6
57.4	11:57:37		57.4	57.4
58.2	11:57:38		58.2	58.2
58.1	11:57:39		58.1	58.1
58.3	11:57:40		58.3	58.3
58.7	11:57:41		58.7	58.7
58.6	11:57:42		58.6	58.6
58.7	11:57:43		58.7	58.7
60.1	11:57:44		60.1	60.1
62.4	11:57:45		62.4	62.4
62.3	11:57:46		62.3	62.3
62.9	11:57:47		62.9	62.9
62.6	11:57:48		62.6	62.6
62.7	11:57:49		62.7	62.7
62.7	11:57:50		62.7	62.7
61.8	11:57:51		61.8	61.8
61.2	11:57:52		61.2	61.2
60.4	11:57:53		60.4	60.4
59.2	11:57:54		59.2	59.2
58.5	11:57:55		58.5	58.5
58.8	11:57:56		58.8	58.8
59.3	11:57:57		59.3	59.3
60.9	11:57:58		60.9	60.9
60.6	11:57:59		60.6	60.6
60.8	11:58:00		60.8	60.8
61.6	11:58:01		61.6	61.6
64.2	11:58:02		64.2	64.2
69.7	11:58:03		69.7	69.7
72.5	11:58:04		72.5	72.5
72.0	11:58:05		72.0	72.0
70.1	11:58:06		70.1	70.1
67.4	11:58:07		67.4	67.4
64.4	11:58:08		64.4	64.4
61.5	11:58:09		61.5	61.5
59.1	11:58:10		59.1	59.1
57.7	11:58:11		57.7	57.7
56.8	11:58:12		56.8	56.8
56.1	11:58:13		56.1	56.1
56.0	11:58:14		56.0	56.0
55.8	11:58:15		55.8	55.8
55.4	11:58:16		55.4	55.4
55.1	11:58:17		55.1	55.1
54.8	11:58:18		54.8	54.8
53.8	11:58:19		53.8	53.8
53.9	11:58:20		53.9	53.9
54.6	11:58:21		54.6	54.6
54.9	11:58:22		54.9	54.9
55.1	11:58:23		55.1	55.1
55.6	11:58:24		55.6	55.6
55.9	11:58:25		55.9	55.9
56.7	11:58:26		56.7	56.7
56.9	11:58:27		56.9	56.9
56.9	11:58:28		56.9	56.9
57.4	11:58:29		57.4	57.4
57.6	11:58:30		57.6	57.6
58.8	11:58:31		58.8	58.8
58.4	11:58:32		58.4	58.4
58.5	11:58:33		58.5	58.5
57.6	11:58:34		57.6	57.6
56.9	11:58:35		56.9	56.9
56.4	11:58:36		56.4	56.4
56.7	11:58:37		56.7	56.7
56.0	11:58:38		56.0	56.0
56.0	11:58:39		56.0	56.0
55.7	11:58:40		55.7	55.7
55.6	11:58:41		55.6	55.6
54.9	11:58:42		54.9	54.9
54.2	11:58:43		54.2	54.2
53.8	11:58:44		53.8	53.8
53.7	11:58:45		53.7	53.7
54.1	11:58:46		54.1	54.1
54.5	11:58:47		54.5	54.5
54.7	11:58:48		54.7	54.7
54.5	11:58:49		54.5	54.5
54.6	11:58:50		54.6	54.6
54.5	11:58:51		54.5	54.5

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.8	12:03:15		53.8	53.8
53.2	12:03:16		53.2	53.2
52.7	12:03:17		52.7	52.7
52.7	12:03:18		52.7	52.7
52.6	12:03:19		52.6	52.6
52.3	12:03:20		52.3	52.3
52.2	12:03:21		52.2	52.2
52.6	12:03:22		52.6	52.6
53.6	12:03:23		53.6	53.6
53.1	12:03:24		53.1	53.1
52.8	12:03:25		52.8	52.8
52.8	12:03:26		52.8	52.8
52.5	12:03:27		52.5	52.5
52.4	12:03:28		52.4	52.4
54.9	12:03:29		54.9	54.9
53.8	12:03:30		53.8	53.8
53.1	12:03:31		53.1	53.1
52.9	12:03:32		52.9	52.9
52.6	12:03:33		52.6	52.6
52.7	12:03:34		52.7	52.7
52.7	12:03:35		52.7	52.7
52.8	12:03:36		52.8	52.8
52.9	12:03:37		52.9	52.9
53.6	12:03:38		53.6	53.6
53.3	12:03:39		53.3	53.3
53.2	12:03:40		53.2	53.2
57.2	12:03:41		57.2	57.2
55.8	12:03:42		55.8	55.8
54.4	12:03:43		54.4	54.4
53.9	12:03:44		53.9	53.9
54.6	12:03:45		54.6	54.6
55.5	12:03:46		55.5	55.5
55.6	12:03:47		55.6	55.6
55.4	12:03:48		55.4	55.4
55.6	12:03:49		55.6	55.6
55.7	12:03:50		55.7	55.7
56.2	12:03:51		56.2	56.2
56.4	12:03:52		56.4	56.4
56.1	12:03:53		56.1	56.1
56.3	12:03:54		56.3	56.3
57.2	12:03:55		57.2	57.2
57.5	12:03:56		57.5	57.5
57.1	12:03:57		57.1	57.1
56.6	12:03:58		56.6	56.6
56.9	12:03:59		56.9	56.9
57.4	12:04:00		57.4	57.4
57.3	12:04:01		57.3	57.3
57.7	12:04:02		57.7	57.7
57.9	12:04:03		57.9	57.9
58.0	12:04:04		58.0	58.0
58.1	12:04:05		58.1	58.1
58.7	12:04:06		58.7	58.7
59.2	12:04:07		59.2	59.2
60.7	12:04:08		60.7	60.7
62.4	12:04:09		62.4	62.4
63.9	12:04:10		63.9	63.9
65.4	12:04:11		65.4	65.4
67.2	12:04:12		67.2	67.2
66.1	12:04:13		66.1	66.1
66.8	12:04:14		66.8	66.8
65.6	12:04:15		65.6	65.6
67.7	12:04:16		67.7	67.7
68.8	12:04:17		68.8	68.8
69.0	12:04:18		69.0	69.0
68.4	12:04:19		68.4	68.4
69.2	12:04:20		69.2	69.2
68.8	12:04:21		68.8	68.8
69.0	12:04:22		69.0	69.0
68.0	12:04:23		68.0	68.0
67.3	12:04:24		67.3	67.3
66.9	12:04:25		66.9	66.9
68.0	12:04:26		68.0	68.0
67.8	12:04:27		67.8	67.8
66.8	12:04:28		66.8	66.8
65.2	12:04:29		65.2	65.2
65.1	12:04:30		65.1	65.1
63.1	12:04:31		63.1	63.1
60.9	12:04:32		60.9	60.9
59.4	12:04:33		59.4	59.4
58.3	12:04:34		58.3	58.3
56.4	12:04:35		56.4	56.4
55.6	12:04:36		55.6	55.6
54.8	12:04:37		54.8	54.8
54.8	12:04:38		54.8	54.8
53.9	12:04:39		53.9	53.9
53.9	12:04:40		53.9	53.9
54.2	12:04:41		54.2	54.2
53.7	12:04:42		53.7	53.7
52.9	12:04:43		52.9	52.9
52.4	12:04:44		52.4	52.4
52.2	12:04:45		52.2	52.2
52.1	12:04:46		52.1	52.1
52.0	12:04:47		52.0	52.0
51.9	12:04:48		51.9	51.9
51.9	12:04:49		51.9	51.9
52.0	12:04:50		52.0	52.0
52.2	12:04:51		52.2	52.2
52.4	12:04:52		52.4	52.4
52.3	12:04:53		52.3	52.3
52.2	12:04:54		52.2	52.2
52.7	12:04:55		52.7	52.7
52.8	12:04:56		52.8	52.8
52.7	12:04:57		52.7	52.7
52.9	12:04:58		52.9	52.9
52.9	12:04:59		52.9	52.9
52.9	12:05:00		52.9	52.9
53.6	12:05:01		53.6	53.6
53.4	12:05:02		53.4	53.4
53.0	12:05:03		53.0	53.0
53.4	12:05:04		53.4	53.4
52.8	12:05:05		52.8	52.8
52.5	12:05:06		52.5	52.5
52.8	12:05:07		52.8	52.8
52.8	12:05:08		52.8	52.8
52.7	12:05:09		52.7	52.7
53.4	12:05:10		53.4	53.4
53.0	12:05:11		53.0	53.0
52.5	12:05:12		52.5	52.5
52.8	12:05:13		52.8	52.8
53.2	12:05:14		53.2	53.2
52.5	12:05:15		52.5	52.5
52.2	12:05:16		52.2	52.2
52.1	12:05:17		52.1	52.1
51.9	12:05:18		51.9	51.9
51.7	12:05:19		51.7	51.7
51.6	12:05:20		51.6	51.6
51.7	12:05:21		51.7	51.7
51.6	12:05:22		51.6	51.6
54.2	12:05:23		54.2	54.2
53.1	12:05:24		53.1	53.1
52.6	12:05:25		52.6	52.6
52.6	12:05:26		52.6	52.6
52.1	12:05:27		52.1	52.1
51.8	12:05:28		51.8	51.8
51.6	12:05:29		51.6	51.6
51.6	12:05:30		51.6	51.6
51.6	12:05:31		51.6	51.6
53.7	12:05:32		53.7	53.7
52.9	12:05:33		52.9	52.9
52.0	12:05:34		52.0	52.0
51.5	12:05:35		51.5	51.5
51.4	12:05:36		51.4	51.4
51.5	12:05:37		51.5	51.5
51.7	12:05:38		51.7	51.7
52.0	12:05:39		52.0	52.0
52.0	12:05:40		52.0	52.0
52.2	12:05:41		52.2	52.2
52.9	12:05:42		52.9	52.9
53.2	12:05:43		53.2	53.2
53.3	12:05:44		53.3	53.3
52.9	12:05:45		52.9	52.9
52.7	12:05:46		52.7	52.7
52.9	12:05:47		52.9	52.9
52.7	12:05:48		52.7	52.7
52.2	12:05:49		52.2	52.2
52.1	12:05:50		52.1	52.1
52.2	12:05:51		52.2	52.2
52.5	12:05:52		52.5	52.5
52.5	12:05:53		52.5	52.5
52.4	12:05:54		52.4	52.4
52.4	12:05:55		52.4	52.4
52.5	12:05:56		52.5	52.5
52.9	12:05:57		52.9	52.9
52.8	12:05:58		52.8	52.8
52.4	12:05:59		52.4	52.4
52.1	12:06:00		52.1	52.1
52.1	12:06:01		52.1	52.1
52.4	12:06:02		52.4	52.4
52.8	12:06:03		52.8	52.8
52.5	12:06:04		52.5	52.5
52.5	12:06:05		52.5	52.5
52.6	12:06:06		52.6	52.6
52.8	12:06:07		52.8	52.8
53.0	12:06:08		53.0	53.0
52.8	12:06:09		52.8	52.8
52.8	12:06:10		52.8	52.8
52.6	12:06:11		52.6	52.6
52.4	12:06:12		52.4	52.4
52.4	12:06:13		52.4	52.4
52.3	12:06:14		52.3	52.3
53.0	12:06:15		53.0	53.0
53.2	12:06:16		53.2	53.2

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
51.5	12:08:12		51.5	51.5
51.7	12:08:13		51.7	51.7
51.5	12:08:14		51.5	51.5
51.7	12:08:15		51.7	51.7
51.8	12:08:16		51.8	51.8
51.9	12:08:17		51.9	51.9
51.8	12:08:18		51.8	51.8
51.8	12:08:19		51.8	51.8
51.8	12:08:20		51.8	51.8
51.8	12:08:21		51.8	51.8
51.8	12:08:22		51.8	51.8
51.8	12:08:23		51.8	51.8
52.0	12:08:24		52.0	52.0
52.0	12:08:25		52.0	52.0
52.1	12:08:26		52.1	52.1
52.2	12:08:27		52.2	52.2
52.2	12:08:28		52.2	52.2
52.3	12:08:29		52.3	52.3
51.9	12:08:30		51.9	51.9
51.7	12:08:31		51.7	51.7
51.7	12:08:32		51.7	51.7
51.8	12:08:33		51.8	51.8
51.8	12:08:34		51.8	51.8
51.9	12:08:35		51.9	51.9
52.0	12:08:36		52.0	52.0
52.0	12:08:37		52.0	52.0
52.0	12:08:38		52.0	52.0
52.2	12:08:39		52.2	52.2
52.1	12:08:40		52.1	52.1
52.2	12:08:41		52.2	52.2
52.4	12:08:42		52.4	52.4
52.5	12:08:43		52.5	52.5
52.7	12:08:44		52.7	52.7
52.8	12:08:45		52.8	52.8
53.2	12:08:46		53.2	53.2
53.8	12:08:47		53.8	53.8
54.0	12:08:48		54.0	54.0
54.2	12:08:49		54.2	54.2
54.1	12:08:50		54.1	54.1
53.9	12:08:51		53.9	53.9
53.9	12:08:52		53.9	53.9
53.9	12:08:53		53.9	53.9
53.9	12:08:54		53.9	53.9
53.9	12:08:55		53.9	53.9
54.1	12:08:56		54.1	54.1
54.3	12:08:57		54.3	54.3
54.6	12:08:58		54.6	54.6
54.4	12:08:59		54.4	54.4
54.0	12:09:00		54.0	54.0
53.7	12:09:01		53.7	53.7
53.5	12:09:02		53.5	53.5
53.2	12:09:03		53.2	53.2
53.1	12:09:04		53.1	53.1
52.9	12:09:05		52.9	52.9
52.4	12:09:06		52.4	52.4
52.2	12:09:07		52.2	52.2
52.1	12:09:08		52.1	52.1
51.8	12:09:09		51.8	51.8
51.7	12:09:10		51.7	51.7
51.7	12:09:11		51.7	51.7
51.8	12:09:12		51.8	51.8
52.0	12:09:13		52.0	52.0
52.0	12:09:14		52.0	52.0
52.2	12:09:15		52.2	52.2
52.1	12:09:16		52.1	52.1
52.2	12:09:17		52.2	52.2
52.3	12:09:18		52.3	52.3
52.6	12:09:19		52.6	52.6
53.0	12:09:20		53.0	53.0
53.6	12:09:21		53.6	53.6
53.3	12:09:22		53.3	53.3
53.3	12:09:23		53.3	53.3
53.5	12:09:24		53.5	53.5
53.1	12:09:25		53.1	53.1
53.0	12:09:26		53.0	53.0
52.6	12:09:27		52.6	52.6
52.3	12:09:28		52.3	52.3
52.2	12:09:29		52.2	52.2
52.2	12:09:30		52.2	52.2
52.1	12:09:31		52.1	52.1
52.1	12:09:32		52.1	52.1
52.0	12:09:33		52.0	52.0
52.2	12:09:34		52.2	52.2
52.3	12:09:35		52.3	52.3
52.2	12:09:36		52.2	52.2
52.3	12:09:37		52.3	52.3
52.2	12:09:38		52.2	52.2
52.3	12:09:39		52.3	52.3
52.4	12:09:40		52.4	52.4
52.4	12:09:41		52.4	52.4
52.4	12:09:42		52.4	52.4
52.4	12:09:43		52.4	52.4
52.4	12:09:44		52.4	52.4
52.5	12:09:45		52.5	52.5
52.4	12:09:46		52.4	52.4
52.7	12:09:47		52.7	52.7
52.6	12:09:48		52.6	52.6
52.4	12:09:49		52.4	52.4
52.2	12:09:50		52.2	52.2
52.2	12:09:51		52.2	52.2
52.4	12:09:52		52.4	52.4
52.3	12:09:53		52.3	52.3
52.2	12:09:54		52.2	52.2
52.1	12:09:55		52.1	52.1
51.8	12:09:56		51.8	51.8
51.8	12:09:57		51.8	51.8
51.6	12:09:58		51.6	51.6
51.5	12:09:59		51.5	51.5
51.8	12:10:00		51.8	51.8
51.8	12:10:01		51.8	51.8
51.9	12:10:02		51.9	51.9
52.1	12:10:03		52.1	52.1
52.0	12:10:04		52.0	52.0
51.9	12:10:05		51.9	51.9
51.7	12:10:06		51.7	51.7
51.5	12:10:07		51.5	51.5
51.3	12:10:08		51.3	51.3
51.3	12:10:09		51.3	51.3
51.3	12:10:10		51.3	51.3
51.2	12:10:11		51.2	51.2
51.2	12:10:12		51.2	51.2
51.2	12:10:13		51.2	51.2
51.1	12:10:14		51.1	51.1
51.1	12:10:15		51.1	51.1
51.1	12:10:16		51.1	51.1
51.3	12:10:17		51.3	51.3
51.3	12:10:18		51.3	51.3
51.2	12:10:19		51.2	51.2
51.3	12:10:20		51.3	51.3
51.2	12:10:21		51.2	51.2
51.2	12:10:22		51.2	51.2
51.4	12:10:23		51.4	51.4
51.4	12:10:24		51.4	51.4
51.4	12:10:25		51.4	51.4
51.4	12:10:26		51.4	51.4
51.5	12:10:27		51.5	51.5
51.9	12:10:28		51.9	51.9
51.9	12:10:29		51.9	51.9
51.7	12:10:30		51.7	51.7
51.6	12:10:31		51.6	51.6
51.6	12:10:32		51.6	51.6
51.3	12:10:33		51.3	51.3
51.4	12:10:34		51.4	51.4
51.4	12:10:35		51.4	51.4
51.3	12:10:36		51.3	51.3
51.3	12:10:37		51.3	51.3
51.2	12:10:38		51.2	51.2
51.3	12:10:39		51.3	51.3
51.3	12:10:40		51.3	51.3
51.3	12:10:41		51.3	51.3
51.3	12:10:42		51.3	51.3
51.2	12:10:43		51.2	51.2
51.3	12:10:44		51.3	51.3
51.3	12:10:45		51.3	51.3
51.8	12:10:46		51.8	51.8
51.7	12:10:47		51.7	51.7
51.4	12:10:48		51.4	51.4
51.5	12:10:49		51.5	51.5
51.5	12:10:50		51.5	51.5
51.6	12:10:51		51.6	51.6
51.7	12:10:52		51.7	51.7
51.7	12:10:53		51.7	51.7
51.5	12:10:54		51.5	51.5
51.5	12:10:55		51.5	51.5
51.8	12:10:56		51.8	51.8
51.7	12:10:57		51.7	51.7
51.8	12:10:58		51.8	51.8
51.9	12:10:59		51.9	51.9
51.8	12:11:00		51.8	51.8
51.7	12:11:01		51.7	51.7
52.3	12:11:02		52.3	52.3
52.7	12:11:03		52.7	52.7
53.4	12:11:04		53.4	53.4
54.0	12:11:05		54.0	54.0
53.6	12:11:06		53.6	53.6
53.1	12:11:07		53.1	53.1
53.0	12:11:08		53.0	53.0
53.8	12:11:09		53.8	53.8
53.9	12:11:10		53.9	53.9
53.5	12:11:11		53.5	53.5
53.7	12:11:12		53.7

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
54.4	11:58:52		54.4	54.4
54.5	11:58:53		54.5	54.5
54.5	11:58:54		54.5	54.5
55.2	11:58:55		55.2	55.2
55.1	11:58:56		55.1	55.1
54.9	11:58:57		54.9	54.9
54.8	11:58:58		54.8	54.8
55.0	11:58:59		55.0	55.0
55.6	11:59:00		55.6	55.6
56.4	11:59:01		56.4	56.4
56.1	11:59:02		56.1	56.1
54.8	11:59:03		54.8	54.8
54.4	11:59:04		54.4	54.4
54.7	11:59:05		54.7	54.7
66.5	11:59:06		66.5	66.5
55.7	11:59:07		55.7	55.7
55.5	11:59:08		55.5	55.5
54.8	11:59:09		54.8	54.8
55.6	11:59:10		55.6	55.6
66.1	11:59:11		66.1	66.1
55.3	11:59:12		55.3	55.3
53.8	11:59:13		53.8	53.8
51.7	11:59:14		51.7	51.7
50.3	11:59:15		50.3	50.3
58.5	11:59:16		58.5	58.5
57.4	11:59:17		57.4	57.4
57.1	11:59:18		57.1	57.1
57.0	11:59:19		57.0	57.0
56.9	11:59:20		56.9	56.9
56.8	11:59:21		56.8	56.8
56.4	11:59:22		56.4	56.4
56.6	11:59:23		56.6	56.6
58.2	11:59:24		58.2	58.2
57.1	11:59:25		57.1	57.1
55.4	11:59:26		55.4	55.4
54.4	11:59:27		54.4	54.4
54.7	11:59:28		54.7	54.7
56.6	11:59:29		56.6	56.6
57.2	11:59:30		57.2	57.2
56.4	11:59:31		56.4	56.4
57.0	11:59:32		57.0	57.0
56.3	11:59:33		56.3	56.3
55.1	11:59:34		55.1	55.1
53.8	11:59:35		53.8	53.8
53.2	11:59:36		53.2	53.2
53.0	11:59:37		53.0	53.0
52.7	11:59:38		52.7	52.7
52.8	11:59:39		52.8	52.8
52.9	11:59:40		52.9	52.9
52.7	11:59:41		52.7	52.7
53.1	11:59:42		53.1	53.1
53.2	11:59:43		53.2	53.2
53.4	11:59:44		53.4	53.4
53.1	11:59:45		53.1	53.1
53.2	11:59:46		53.2	53.2
53.4	11:59:47		53.3	53.3
53.5	11:59:48		53.5	53.5
53.3	11:59:49		53.3	53.3
53.3	11:59:50		53.3	53.3
53.3	11:59:51		53.3	53.3
53.6	11:59:52		53.6	53.6
53.8	11:59:53		53.8	53.8
53.9	11:59:54		53.9	53.9
54.6	11:59:55		54.6	54.6
55.6	11:59:56		55.6	55.6
55.9	11:59:57		55.9	55.9
55.8	11:59:58		55.8	55.8
55.6	11:59:59		55.6	55.6
56.2	12:00:00		56.2	56.2
58.1	12:00:01		58.1	58.1
60.7	12:00:02		60.7	60.7
63.5	12:00:03		63.5	63.5
62.5	12:00:04		62.5	62.5
61.4	12:00:05		61.4	61.4
59.5	12:00:06		59.5	59.5
57.6	12:00:07		57.6	57.6
56.2	12:00:08		56.2	56.2
56.4	12:00:09		56.4	56.4
58.6	12:00:10		58.6	58.6
60.9	12:00:11		60.9	60.9
61.6	12:00:12		61.6	61.6
61.4	12:00:13		61.4	61.4
60.5	12:00:14		60.5	60.5
59.0	12:00:15		59.0	59.0
57.7	12:00:16		57.7	57.7
56.6	12:00:17		56.6	56.6
55.7	12:00:18		55.7	55.7
55.1	12:00:19		55.1	55.1
54.7	12:00:20		54.7	54.7
54.6	12:00:21		54.6	54.6
54.3	12:00:22		54.3	54.3
54.3	12:00:23		54.3	54.3
54.3	12:00:24		54.3	54.3
54.0	12:00:25		54.0	54.0
53.7	12:00:26		53.7	53.7
53.8	12:00:27		53.8	53.8
54.1	12:00:28		54.1	54.1
54.9	12:00:29		54.9	54.9
55.0	12:00:30		55.0	55.0
56.0	12:00:31		56.0	56.0
57.0	12:00:32		57.0	57.0
56.8	12:00:33		56.8	56.8
57.3	12:00:34		57.3	57.3
57.5	12:00:35		57.5	57.5
58.5	12:00:36		58.5	58.5
59.6	12:00:37		59.6	59.6
61.0	12:00:38		61.0	61.0
61.5	12:00:39		61.5	61.5
61.7	12:00:40		61.7	61.7
61.8	12:00:41		61.8	61.8
62.0	12:00:42		62.0	62.0
63.3	12:00:43		63.3	63.3
63.9	12:00:44		63.9	63.9
64.9	12:00:45		64.9	64.9
65.0	12:00:46		65.0	65.0
64.9	12:00:47		64.9	64.9
63.7	12:00:48		63.7	63.7
61.5	12:00:49		61.5	61.5
60.0	12:00:50		60.0	60.0
58.9	12:00:51		58.9	58.9
58.4	12:00:52		58.4	58.4
58.1	12:00:53		58.1	58.1
58.5	12:00:54		58.5	58.5
59.4	12:00:55		59.4	59.4
54.6	12:00:56		54.6	54.6
54.0	12:00:57		54.0	54.0
53.7	12:00:58		53.7	53.7
53.4	12:00:59		53.4	53.4
53.7	12:01:00		53.7	53.7
55.4	12:01:01		55.4	55.4
57.9	12:01:02		57.9	57.9
57.2	12:01:03		57.2	57.2
56.7	12:01:04		56.7	56.7
56.1	12:01:05		56.1	56.1
55.3	12:01:06		55.3	55.3
55.5	12:01:07		55.5	55.5
57.5	12:01:08		57.5	57.5
59.7	12:01:09		59.7	59.7
59.3	12:01:10		59.3	59.3
59.1	12:01:11		59.1	59.1
61.1	12:01:12		61.1	61.1
64.1	12:01:13		64.1	64.1
65.6	12:01:14		65.6	65.6
67.2	12:01:15		67.2	67.2
65.7	12:01:16		65.7	65.7
66.8	12:01:17		66.8	66.8
70.3	12:01:18		70.3	70.3
72.6	12:01:19		72.6	72.6
72.7	12:01:20		72.7	72.7
71.0	12:01:21		71.0	71.0
69.8	12:01:22		69.8	69.8
67.1	12:01:23		67.1	67.1
64.7	12:01:24		64.7	64.7
62.9	12:01:25		62.9	62.9
61.8	12:01:26		61.8	61.8
60.4	12:01:27		60.4	60.4
60.1	12:01:28		60.1	60.1
59.7	12:01:29		59.7	59.7
58.3	12:01:30		58.3	58.3
57.9	12:01:31		57.9	57.9
57.3	12:01:32		57.3	57.3
56.0	12:01:33		56.0	56.0
54.7	12:01:34		54.7	54.7
53.7	12:01:35		53.7	53.7
53.2	12:01:36		53.2	53.2
52.9	12:01:37		52.9	52.9
52.9	12:01:38		52.9	52.9
53.1	12:01:39		53.1	53.1
52.7	12:01:40		52.7	52.7
52.5	12:01:41		52.5	52.5
53.0	12:01:42		53.0	53.0
53.3	12:01:43		53.3	53.3
53.6	12:01:44		53.6	53.6
54.0	12:01:45		54.0	54.0
55.3	12:01:46		55.3	55.3
56.6	12:01:47		56.6	56.6
60.4	12:01:48		60.4	60.4
62.2	12:01:49		62.2	62.2
61.4	12:01:50		61.4	61.4
62.6	12:01:51		62.6	62.6
63.6	12:01:52		63.6	63.6
63.9	12:01:53		63.9	63.9
63.1	12:01:54		63.1	63.1
62.5	12:01:55		62.5	62.5
63.6	12:01:56		63.6	63.6
63.7	12:01:57		63.7	63.7
64.9	12:01:58		64.9	64.9
65.2	12:01:59		65.2	65.2
63.7	12:02:00		63.7	63.7
62.1	12:02:01		62.1	62.1
60.3	12:02:02		60.3	60.3
58.3	12:02:03		58.3	58.3
56.4	12:02:04		56.4	56.4
55.1	12:02:05		55.1	55.1
54.2	12:02:06		54.2	54.2
53.9	12:02:07		53.9	53.9
53.7	12:02:08		53.7	53.7
53.6	12:02:09		53.6	53.6
53.8	12:02:10		53.8	53.8
53.8	12:02:11		53.8	53.8
54.6	12:02:12		54.6	54.6
55.1	12:02:13		55.1	55.1
55.0	12:02:14		55.0	55.0
55.0	12:02:15		55.0	55.0
55.0	12:02:16		55.0	55.0
54.5	12:02:17		54.5	54.5

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.6	12:05:17		52.6	52.6
52.5	12:05:18		52.5	52.5
52.9	12:05:19		52.9	52.9
52.6	12:05:20		52.6	52.6
52.4	12:06:21		52.4	52.4
52.4	12:05:22		52.4	52.4
52.4	12:05:23		52.4	52.4
52.2	12:05:24		52.2	52.2
52.1	12:05:25		52.1	52.1
52.0	12:06:26		52.0	52.0
51.8	12:05:27		51.8	51.8
52.1	12:05:28		52.1	52.1
52.3	12:05:29		52.3	52.3
52.7	12:05:30		52.7	52.7
52.7	12:06:31		52.7	52.7
53.3	12:05:32		53.3	53.3
53.5	12:05:33		53.5	53.5
53.1	12:05:34		53.1	53.1
52.7	12:05:35		52.7	52.7
52.8	12:06:36		52.8	52.8
53.8	12:05:37		53.8	53.8
53.2	12:05:38		53.2	53.2
52.5	12:05:39		52.5	52.5
52.1	12:05:40		52.1	52.1
54.6	12:06:41		54.6	54.6
56.0	12:05:42		56.0	56.0
54.3	12:05:43		54.3	54.3
53.7	12:05:44		53.7	53.7
53.8	12:05:45		53.8	53.8
54.0	12:06:46		54.0	54.0
54.3	12:06:47		54.3	54.3
53.9	12:05:48		53.9	53.9
53.2	12:05:49		53.2	53.2
53.4	12:05:50		53.4	53.4
53.1	12:06:51		53.1	53.1
52.8	12:05:52		52.8	52.8
52.8	12:05:53		52.8	52.8
52.6	12:05:54		52.6	52.6
52.4	12:05:55		52.4	52.4
52.5	12:06:56		52.5	52.5
52.9	12:05:57		52.9	52.9
52.6	12:05:58		52.6	52.6
52.5	12:05:59		52.5	52.5
52.9	12:07:00		52.9	52.9
52.2	12:07:01		52.2	52.2
52.3	12:07:02		52.3	52.3
52.9	12:07:03		52.9	52.9
52.7	12:07:04		52.7	52.7
52.3	12:07:05		52.3	52.3
52.9	12:07:06		52.9	52.9
52.7	12:07:07		52.7	52.7
52.4	12:07:08		52.4	52.4
52.2	12:07:09		52.2	52.2
52.4	12:07:10		52.4	52.4
52.2	12:07:11		52.2	52.2
52.4	12:07:12		52.4	52.4
52.4	12:07:13		52.4	52.4
52.2	12:07:14		52.2	52.2
52.2	12:07:15		52.2	52.2
52.2	12:07:16		52.2	52.2
52.2	12:07:17		52.2	52.2
52.0	12:07:18		52.0	52.0
51.8	12:07:19		51.8	51.8
51.9	12:07:20		51.9	51.9
52.2	12:07:21		52.2	52.2
52.2	12:07:22		52.2	52.2
52.2	12:07:23		52.2	52.2
52.2	12:07:24		52.2	52.2
52.2	12:07:25		52.2	52.2
52.0	12:07:26		52.0	52.0
52.0	12:07:27		52.0	52.0
51.7	12:07:28		51.7	51.7
51.6	12:07:29		51.6	51.6
51.6	12:07:30		51.6	51.6
51.7	12:07:31		51.7	51.7
51.9	12:07:32		51.9	51.9
51.4	12:07:33		51.4	51.4
53.0	12:07:34		53.0	53.0
53.6	12:07:35		53.6	53.6
52.3	12:07:36		52.3	52.3
51.8	12:07:37		51.8	51.8
51.9	12:07:38		51.9	51.9
51.5	12:07:39		51.5	51.5
51.4	12:07:40		51.4	51.4
51.5	12:07:41		51.5	51.5
51.4	12:07:42		51.4	51.4
51.6	12:07:43		51.6	51.6
51.5	12:07:44		51.5	51.5
51.6	12:07:45		51.6	51.6
51.9	12:07:46		51.9	51.9
52.1	12:07:47		52.1	52.1
52.1	12:07:48		52.1	52.1
52.2	12:07:49		52.2	52.2
52.0	12:07:50		52.0	52.0
53.7	12:07:51		53.7	53.7
51.8	12:07:52		51.8	51.8
52.1	12:07:53		52.1	52.1
51.9	12:07:54		51.9	51.9
51.9	12:07:55		51.9	51.9
51.9	12:07:56		51.9	51.9
51.7	12:07:57		51.7	51.7
51.5	12:07:58		51.5	51.5
51.4	12:07:59		51.4	51.4
51.6	12:08:00		51.6	51.6
51.7	12:08:01		51.7	51.7
51.9	12:08:02		51.9	51.9
52.0	12:08:03		52.0	52.0
52.3	12:08:04		52.3	52.3
52.4	12:08:05		52.4	52.4
52.4	12:08:06		52.4	52.4
52.9	12:08:07		52.9	52.9
53.8	12:08:08		53.8	53.8
52.7	12:08:09		52.7	52.7
52.3	12:08:10		52.3	52.3
52.1	12:08:11		52.1	52.1
52.0	12:08:12		52.0	52.0
52.0	12:08:13		52.0	52.0
52.1	12:08:14		52.1	52.1
53.8	12:08:15		53.8	53.8
52.7	12:08:16		52.7	52.7
52.6	12:08:17		52.6	52.6
56.3	12:08:18		56.3	56.3
54.0	12:08:19		54.0	54.0
52.8	12:08:20		52.8	52.8
54.8	12:08:21		54.8	54.8
53.3	12:08:22		53.3	53.3
52.7	12:08:23		52.7	52.7
51.9	12:08:24		51.9	51.9
53.3	12:08:25		53.3	53.3
52.7	12:08:26		52.7	52.7
52.2	12:08:27		52.2	52.2
52.6	12:08:28		52.6	52.6
52.4	12:08:29		52.4	52.4
52.1	12:08:30		52.1	52.1
52.0	12:08:31		52.0	52.0
52.3	12:08:32		52.3	52.3
52.5	12:08:33		52.5	52.5
52.4	12:08:34		52.4	52.4
52.2	12:08:35		52.2	52.2
52.0	12:08:36		52.0	52.0
52.4	12:08:37		52.4	52.4
51.9	12:08:38		51.9	51.9
51.9	12:08:39		51.9	51.9
52.0	12:08:40		52.0	52.0
53.6	12:08:41		53.6	53.6
52.8	12:08:42		52.8	52.8
52.8	12:08:43		52.8	52.8
53.2	12:08:44		53.2	53.2
53.3	12:08:45		53.3	53.3
52.5	12:08:46		52.5	52.5
52.4	12:08:47		52.4	52.4
52.7	12:08:48		52.7	52.7
52.8	12:08:49		52.8	52.8
52.5	12:08:50		52.5	52.5
52.5	12:08:51		52.5	52.5
52.4	12:08:52		52.4	52.4
53.0	12:08:53		53.0	53.0
54.1	12:08:54		54.1	54.1
53.2	12:08:55		53.2	53.2
52.4	12:08:56		52.4	52.4
52.1	12:08:57		52.1	52.1
52.2	12:08:58		52.2	52.2
52.4	12:08:59		52.4	52.4
53.5	12:09:00		53.5	53.5
52.8	12:09:01		52.8	52.8
52.4	12:09:02		52.4	52.4
52.4	12:09:03		52.4	52.4
52.7	12:09:04		52.7	52.7
53.2	12:09:05		53.2	53.2
53.9	12:09:06		53.9	53.9
54.0	12:09:07		54.0	54.0
54.0	12:09:08		54.0	54.0
53.8	12:09:09		53.8	53.8
53.4	12:09:10		53.4	53.4
53.3	12:09:11		53.3	53.3
53.0	12:09:12		53.0	53.0
52.8	12:09:13		52.8	52.8
52.4	12:09:14		52.4	52.4
52.4	12:09:15		52.4	52.4
52.5	12:09:16		52.5	52.5
52.3	12:09:17		52.3	52.3
52.4	12:09:18		52.4	52.4
52.6	12:09:19		52.6	52.6
52.6	12:09:20		52.6	52.6
52.6	12:09:21		52.6	52.6
52.5	12:09:22		52.5	52.5
52.8	12:09:23		52.8	52.8
53.0	12:09:24		53.0	53.0
52.6	12:09:25		52.6	52.6
52.5	12:09:26		52.5	52.5
52.4	12:09:27		52.4	52.4
52.6	12:09:28		52.6	52.6
52.6	12:09:29		52.6	52.6
52.6	12:09:30		52.6	52.6
52.7	12:09:31		52.7	52.7
52.5	12:09:32		52.5	52.5
52.5	12:09:33		52.5	52.5
52.4	12:09:34		52.4	52.4
52.2	12:09:35		52.2	52.2
52.1	12:09:36		52.1	52.1
52.2	12:09:37		52.2	52.2
52.3	12:09:38		52.3	52.3
52.5	12:09:39		52.5	52.5
52.7	12:09:40		52.7	52.7
52.4	12:09:41		52.4	52.4
52.4	12:09:42		52.4	52.4

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.7	12:11:14		53.7	53.7
53.5	12:11:15		53.5	53.5
53.8	12:11:16		53.8	53.8
53.6	12:11:17		53.6	53.6
53.9	12:11:18		53.9	53.9
54.5	12:11:19		54.5	54.5
53.7	12:11:20		53.7	53.7
53.0	12:11:21		53.0	53.0
52.9	12:11:22		52.9	52.9
52.7	12:11:23		52.7	52.7
52.7	12:11:24		52.7	52.7
52.6	12:11:25		52.6	52.6
52.2	12:11:26		52.2	52.2
51.8	12:11:27		51.8	51.8
51.5	12:11:28		51.5	51.5
51.5	12:11:29		51.5	51.5
51.5	12:11:30		51.5	51.5
51.6	12:11:31		51.6	51.6
51.8	12:11:32		51.8	51.8
52.0	12:11:33		52.0	52.0
52.3	12:11:34		52.3	52.3
52.7	12:11:35		52.7	52.7
53.0	12:11:36		53.0	53.0
53.3	12:11:37		53.3	53.3
53.3	12:11:38		53.3	53.3
53.5	12:11:39		53.5	53.5
54.0	12:11:40		54.0	54.0
54.1	12:11:41		54.1	54.1
54.0	12:11:42		54.0	54.0
53.7	12:11:43		53.7	53.7
53.8	12:11:44		53.8	53.8
54.4	12:11:45		54.4	54.4
54.9	12:11:46		54.9	54.9
54.7	12:11:47		54.7	54.7
54.7	12:11:48		54.7	54.7
55.0	12:11:49		55.0	55.0
55.4	12:11:50		55.4	55.4
55.3	12:11:51		55.3	55.3
55.6	12:11:52		55.6	55.6
55.6	12:11:53		55.6	55.6
54.8	12:11:54		54.8	54.8
54.2	12:11:55		54.2	54.2
54.0	12:11:56		54.0	54.0
53.9	12:11:57		53.9	53.9
53.5	12:11:58		53.5	53.5
53.4	12:11:59		53.4	53.4
53.5	12:12:00		53.5	53.5
53.3	12:12:01		53.3	53.3
53.0	12:12:02		53.0	53.0
53.1	12:12:03		53.1	53.1
52.9	12:12:04		52.9	52.9
52.6	12:12:05		52.6	52.6
52.5	12:12:06		52.5	52.5
52.5	12:12:07		52.5	52.5
52.6	12:12:08		52.6	52.6
52.6	12:12:09		52.6	52.6
52.6	12:12:10		52.6	52.6
53.0	12:12:11		53.0	53.0
53.3	12:12:12		53.3	53.3
53.7	12:12:13		53.7	53.7
54.0	12:12:14		54.0	54.0
54.3	12:12:15		54.3	54.3
54.4	12:12:16		54.4	54.4
55.0	12:12:17		55.0	55.0
55.0	12:12:18		55.0	55.0
54.8	12:12:19		54.8	54.8
54.8	12:12:20		54.8	54.8
54.7	12:12:21		54.7	54.7
54.8	12:12:22		54.8	54.8
54.4	12:12:23		54.4	54.4
53.8	12:12:24		53.8	53.8
53.6	12:12:25		53.6	53.6
53.0	12:12:26		53.0	53.0
52.7	12:12:27		52.7	52.7
52.3	12:12:28		52.3	52.3
52.1	12:12:29		52.1	52.1
53.4	12:12:30		53.4	53.4
52.8	12:12:31		52.8	52.8
52.5	12:12:32		52.5	52.5
51.9	12:12:33		51.9	51.9
51.9	12:12:34		51.9	51.9
51.8	12:12:35		51.8	51.8
51.7	12:12:36		51.7	51.7
51.9	12:12:37		51.9	51.9
51.8	12:12:38		51.8	51.8
51.6	12:12:39		51.6	51.6
51.5	12:12:40		51.5	51.5
51.6	12:12:41		51.6	51.6
51.8	12:12:42		51.8	51.8
51.8	12:12:43		51.8	51.8
51.8	12:12:44		51.8	51.8
51.4	12:12:45		51.4	51.4
51.3	12:12:46		51.3	51.3
51.4	12:12:47		51.4	51.4
51.6	12:12:48		51.5	51.5
52.1	12:12:49		52.1	52.1
51.9	12:12:50		51.9	51.9
52.4	12:12:51		52.4	52.4
52.8	12:12:52		52.8	52.8
52.4	12:12:53		52.4	52.4
52.5	12:12:54		52.5	52.5
52.6	12:12:55		52.6	52.6
53.1	12:12:56		53.1	53.1
53.4	12:12:57		53.4	53.4
54.1	12:12:58		54.1	54.1
54.3	12:12:59		54.3	54.3
53.7	12:13:00		53.7	53.7
53.2	12:13:01		53.2	53.2
52.7	12:13:02		52.7	52.7
52.4	12:13:03		52.4	52.4
52.4	12:13:04		52.4	52.4
52.1	12:13:05		52.1	52.1
52.0	12:13:06		52.0	52.0
51.7	12:13:07		51.7	51.7
51.4	12:13:08		51.4	51.4
51.3	12:13:09		51.3	51.3
51.3	12:13:10		51.3	51.3
51.4	12:13:11		51.4	51.4
51.2	12:13:12		51.2	51.2
51.2	12:13:13		51.2	51.2
51.3	12:13:14		51.3	51.3
51.5	12:13:15		51.5	51.5
51.4	12:13:16		51.4	51.4
51.4	12:13:17		51.4	51.4
51.5	12:13:18		51.5	51.5
51.4	12:13:19		51.4	51.4
52.0	12:13:20		52.0	52.0
53.5	12:13:21		53.5	53.5
53.3	12:13:22		53.3	53.3
52.9	12:13:23		52.9	52.9
52.7	12:13:24		52.7	52.7
52.4	12:13:25		52.4	52.4
52.3	12:13:26		52.3

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.9	12:02:18		53.9	53.9
53.4	12:02:19		53.4	53.4
53.2	12:02:20		53.2	53.2
53.0	12:02:21		53.0	53.0
52.8	12:02:22		52.8	52.8
52.8	12:02:23		52.8	52.8
52.9	12:02:24		52.9	52.9
52.9	12:02:25		52.9	52.9
53.0	12:02:26		53.0	53.0
53.2	12:02:27		53.2	53.2
53.4	12:02:28		53.4	53.4
53.7	12:02:29		53.7	53.7
53.8	12:02:30		53.8	53.8
53.7	12:02:31		53.7	53.7
53.9	12:02:32		53.9	53.9
54.1	12:02:33		54.1	54.1
54.3	12:02:34		54.3	54.3
53.9	12:02:35		53.9	53.9
54.0	12:02:36		54.0	54.0
54.8	12:02:37		54.8	54.8
55.4	12:02:38		55.4	55.4
56.1	12:02:39		56.1	56.1
55.4	12:02:40		55.4	55.4
55.3	12:02:41		55.3	55.3
55.1	12:02:42		55.1	55.1
55.2	12:02:43		55.2	55.2
55.0	12:02:44		55.0	55.0
54.7	12:02:45		54.7	54.7
54.6	12:02:46		54.6	54.6
55.2	12:02:47		55.2	55.2
54.7	12:02:48		54.7	54.7
54.5	12:02:49		54.5	54.5
54.6	12:02:50		54.6	54.6
54.6	12:02:51		54.6	54.6
54.7	12:02:52		54.7	54.7
54.4	12:02:53		54.4	54.4
54.3	12:02:54		54.3	54.3
54.3	12:02:55		54.3	54.3
54.4	12:02:56		54.4	54.4
54.2	12:02:57		54.2	54.2
54.5	12:02:58		54.5	54.5
54.6	12:02:59		54.6	54.6
54.5	12:03:00		54.5	54.5
54.6	12:03:01		54.6	54.6
55.1	12:03:02		55.1	55.1
55.1	12:03:03		55.1	55.1
56.2	12:03:04		56.2	56.2
57.8	12:03:05		57.8	57.8
57.8	12:03:06		57.8	57.8
57.0	12:03:07		57.0	57.0
56.0	12:03:08		56.0	56.0
56.5	12:03:09		56.5	56.5
56.8	12:03:10		56.8	56.8
57.9	12:03:11		57.9	57.9
57.7	12:03:12		57.7	57.7
57.8	12:03:13		57.8	57.8
59.1	12:03:14		59.1	59.1
61.7	12:03:15		61.7	61.7
62.3	12:03:16		62.3	62.3
65.1	12:03:17		65.1	65.1
69.2	12:03:18		69.2	69.2
70.6	12:03:19		70.6	70.6
70.0	12:03:20		70.0	70.0
66.7	12:03:21		66.7	66.7
63.3	12:03:22		63.3	63.3
59.8	12:03:23		59.8	59.8
57.0	12:03:24		57.0	57.0
56.0	12:03:25		56.0	56.0
53.9	12:03:26		53.9	53.9
53.2	12:03:27		53.2	53.2
53.1	12:03:28		53.1	53.1
52.9	12:03:29		52.9	52.9
52.9	12:03:30		52.9	52.9
53.4	12:03:31		53.4	53.4
53.9	12:03:32		53.9	53.9
54.9	12:03:33		54.9	54.9
56.0	12:03:34		56.0	56.0
58.4	12:03:35		58.4	58.4
60.7	12:03:36		60.7	60.7
62.4	12:03:37		62.4	62.4
63.5	12:03:38		63.5	63.5
65.8	12:03:39		65.8	65.8
66.4	12:03:40		66.4	66.4
65.4	12:03:41		65.4	65.4
61.9	12:03:42		61.9	61.9
58.9	12:03:43		58.9	58.9
57.6	12:03:44		57.6	57.6
57.4	12:03:45		57.4	57.4
57.4	12:03:46		57.4	57.4
57.7	12:03:47		57.7	57.7
57.5	12:03:48		57.5	57.5
57.5	12:03:49		57.5	57.5
57.0	12:03:50		57.0	57.0
56.3	12:03:51		56.3	56.3
56.0	12:03:52		56.0	56.0
56.7	12:03:53		56.7	56.7
56.9	12:03:54		56.9	56.9
57.2	12:03:55		57.2	57.2
57.6	12:03:56		57.6	57.6
56.9	12:03:57		56.9	56.9
56.3	12:03:58		56.3	56.3
56.8	12:03:59		56.8	56.8
60.8	12:04:00		60.8	60.8
64.6	12:04:01		64.6	64.6
65.8	12:04:02		65.8	65.8
65.4	12:04:03		65.4	65.4
63.2	12:04:04		63.2	63.2
61.4	12:04:05		61.4	61.4
61.4	12:04:06		61.4	61.4
60.9	12:04:07		60.9	60.9
60.7	12:04:08		60.7	60.7
60.4	12:04:09		60.4	60.4
59.3	12:04:10		59.3	59.3
58.3	12:04:11		58.3	58.3
57.2	12:04:12		57.2	57.2
57.0	12:04:13		57.0	57.0
56.7	12:04:14		56.7	56.7
56.7	12:04:15		56.7	56.7
56.9	12:04:16		56.9	56.9
58.0	12:04:17		58.0	58.0
58.1	12:04:18		58.1	58.1
57.7	12:04:19		57.7	57.7
58.1	12:04:20		58.1	58.1
58.4	12:04:21		58.4	58.4
58.3	12:04:22		58.3	58.3
57.6	12:04:23		57.6	57.6
57.6	12:04:24		57.6	57.6
58.2	12:04:25		58.2	58.2
58.1	12:04:26		58.1	58.1
58.1	12:04:27		58.1	58.1
58.4	12:04:28		58.4	58.4
58.9	12:04:29		58.9	58.9
58.6	12:04:30		58.6	58.6
58.6	12:04:31		58.6	58.6
59.0	12:04:32		59.0	59.0
59.1	12:04:33		59.1	59.1
59.0	12:04:34		59.0	59.0
59.3	12:04:35		59.3	59.3
60.2	12:04:36		60.2	60.2
60.9	12:04:37		60.9	60.9
61.5	12:04:38		61.5	61.5
63.5	12:04:39		63.5	63.5
66.1	12:04:40		66.1	66.1
68.9	12:04:41		68.9	68.9
70.6	12:04:42		70.6	70.6
72.4	12:04:43		72.4	72.4
75.2	12:04:44		75.2	75.2
73.6	12:04:45		73.6	73.6
72.2	12:04:46		72.2	72.2
70.0	12:04:47		70.0	70.0
67.9	12:04:48		67.9	67.9
65.7	12:04:49		65.7	65.7
63.8	12:04:50		63.8	63.8
62.2	12:04:51		62.2	62.2
60.7	12:04:52		60.7	60.7
60.7	12:04:53		60.7	60.7
60.3	12:04:54		60.3	60.3
60.2	12:04:55		60.2	60.2
61.1	12:04:56		61.1	61.1
60.6	12:04:57		60.6	60.6
60.7	12:04:58		60.7	60.7
60.6	12:04:59		60.6	60.6
62.3	12:05:00		62.3	62.3
66.8	12:05:01		66.8	66.8
69.6	12:05:02		69.6	69.6
67.7	12:05:03		67.7	67.7
66.3	12:05:04		66.3	66.3
64.8	12:05:05		64.8	64.8
62.6	12:05:06		62.6	62.6
59.9	12:05:07		59.9	59.9
57.5	12:05:08		57.5	57.5
55.6	12:05:09		55.6	55.6
54.2	12:05:10		54.2	54.2

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.6	12:09:43		52.6	52.6
52.3	12:09:44		52.3	52.3
52.3	12:09:45		52.3	52.3
52.6	12:09:46		52.6	52.6
52.6	12:09:47		52.6	52.6
52.4	12:09:48		52.4	52.4
52.1	12:09:49		52.1	52.1
51.9	12:09:50		51.9	51.9
51.8	12:09:51		51.8	51.8
51.9	12:09:52		51.9	51.9
52.0	12:09:53		52.0	52.0
52.4	12:09:54		52.4	52.4
52.3	12:09:55		52.3	52.3
52.3	12:09:56		52.3	52.3
52.8	12:09:57		52.8	52.8
53.1	12:09:58		53.1	53.1
52.5	12:09:59		52.5	52.5
52.2	12:10:00		52.2	52.2
52.0	12:10:01		52.0	52.0
51.7	12:10:02		51.7	51.7
51.6	12:10:03		51.6	51.6
51.8	12:10:04		51.8	51.8
51.7	12:10:05		51.7	51.7
51.8	12:10:06		51.8	51.8
51.7	12:10:07		51.7	51.7
51.7	12:10:08		51.7	51.7
51.8	12:10:09		51.8	51.8
51.9	12:10:10		51.9	51.9
51.9	12:10:11		51.9	51.9
52.0	12:10:12		52.0	52.0
52.0	12:10:13		52.0	52.0
51.8	12:10:14		51.8	51.8
51.8	12:10:15		51.8	51.8
51.9	12:10:16		51.9	51.9
52.0	12:10:17		52.0	52.0
52.1	12:10:18		52.1	52.1
52.2	12:10:19		52.2	52.2
52.2	12:10:20		52.2	52.2
52.1	12:10:21		52.1	52.1
52.1	12:10:22		52.1	52.1
52.2	12:10:23		52.2	52.2
52.0	12:10:24		52.0	52.0
51.7	12:10:25		51.7	51.7
51.7	12:10:26		51.7	51.7
52.1	12:10:27		52.1	52.1
51.8	12:10:28		51.8	51.8
51.9	12:10:29		51.9	51.9
51.7	12:10:30		51.7	51.7
51.9	12:10:31		51.9	51.9
52.1	12:10:32		52.1	52.1
52.3	12:10:33		52.3	52.3
52.2	12:10:34		52.2	52.2
52.1	12:10:35		52.1	52.1
52.3	12:10:36		52.3	52.3
52.4	12:10:37		52.4	52.4
52.3	12:10:38		52.3	52.3
52.4	12:10:39		52.4	52.4
52.2	12:10:40		52.2	52.2
52.1	12:10:41		52.1	52.1
52.1	12:10:42		52.1	52.1
52.1	12:10:43		52.1	52.1
52.1	12:10:44		52.1	52.1
51.9	12:10:45		51.9	51.9
52.1	12:10:46		52.1	52.1
52.9	12:10:47		52.9	52.9
52.7	12:10:48		52.7	52.7
52.4	12:10:49		52.4	52.4
52.3	12:10:50		52.3	52.3
52.2	12:10:51		52.2	52.2
52.2	12:10:52		52.2	52.2
52.2	12:10:53		52.2	52.2
52.3	12:10:54		52.3	52.3
52.4	12:10:55		52.4	52.4
52.3	12:10:56		52.3	52.3
52.2	12:10:57		52.2	52.2
52.3	12:10:58		52.3	52.3
52.3	12:10:59		52.3	52.3
52.3	12:11:00		52.3	52.3
52.4	12:11:01		52.4	52.4
52.4	12:11:02		52.4	52.4
52.4	12:11:03		52.4	52.4
52.2	12:11:04		52.2	52.2
52.0	12:11:05		52.0	52.0
52.0	12:11:06		52.0	52.0
51.9	12:11:07		51.9	51.9
51.9	12:11:08		51.9	51.9
51.7	12:11:09		51.7	51.7
51.8	12:11:10		51.8	51.8
51.9	12:11:11		51.9	51.9
52.0	12:11:12		52.0	52.0
51.9	12:11:13		51.9	51.9
51.9	12:11:14		51.9	51.9
51.7	12:11:15		51.7	51.7
51.8	12:11:16		51.8	51.8
52.0	12:11:17		52.0	52.0
52.0	12:11:18		52.0	52.0
51.9	12:11:19		51.9	51.9
52.0	12:11:20		52.0	52.0
52.0	12:11:21		52.0	52.0
52.1	12:11:22		52.1	52.1
52.2	12:11:23		52.2	52.2
52.1	12:11:24		52.1	52.1
52.3	12:11:25		52.3	52.3
52.8	12:11:26		52.8	52.8
52.8	12:11:27		52.8	52.8
52.8	12:11:28		52.8	52.8
52.7	12:11:29		52.7	52.7
52.7	12:11:30		52.7	52.7
52.5	12:11:31		52.5	52.5
52.6	12:11:32		52.6	52.6
52.5	12:11:33		52.5	52.5
52.3	12:11:34		52.3	52.3
52.0	12:11:35		52.0	52.0
51.9	12:11:36		51.9	51.9
51.8	12:11:37		51.8	51.8
51.9	12:11:38		51.9	51.9
51.9	12:11:39		51.9	51.9
51.9	12:11:40		51.9	51.9
51.9	12:11:41		51.9	51.9
51.8	12:11:42		51.8	51.8
52.0	12:11:43		52.0	52.0
52.0	12:11:44		52.0	52.0
51.9	12:11:45		51.9	51.9
51.9	12:11:46		51.9	51.9
52.0	12:11:47		52.0	52.0
53.0	12:11:48		53.0	53.0
53.5	12:11:49		53.5	53.5
52.8	12:11:50		52.8	52.8
52.2	12:11:51		52.2	52.2
52.1	12:11:52		52.1	52.1
52.0	12:11:53		52.0	52.0
52.3	12:11:54		52.3	52.3
52.3	12:11:55		52.3	52.3
52.5	12:11:56		52.5	52.5
52.6	12:11:57		52.6	52.6
52.5	12:11:58		52.5	52.5
52.4	12:11:59		52.4	52.4
53.1	12:12:00		53.1	53.1
53.8	12:12:01		53.8	53.8
52.8	12:12:02		52.8	52.8
52.3	12:12:03		52.3	52.3
52.1	12:12:04		52.1	52.1
53.1	12:12:05		53.1	53.1
52.5	12:12:06		52.5	52.5
52.2	12:12:07		52.2	52.2
52.6	12:12:08		52.6	52.6
52.5	12:12:09		52.5	52.5
52.5	12:12:10		52.5	52.5
52.1	12:12:11		52.1	52.1
51.9	12:12:12		51.9	51.9
51.8	12:12:13		51.8	51.8
51.7	12:12:14		51.7	51.7
51.6	12:12:15		51.6	51.6
51.7	12:12:16		51.7	51.7
51.9	12:12:17		51.9	51.9
52.1	12:12:18		52.1	52.1
52.2	12:12:19		52.2	52.2
52.8	12:12:20		52.8	52.8
53.0	12:12:21		53.0	53.0
53.0	12:12:22		53.0	53.0
52.7	12:12:23		52.7	52.7
52.7	12:12:24		52.7	52.7
52.8	12:12:25		52.8	52.8
52.7	12:12:26		52.7	52.7
52.5	12:12:27		52.5	52.5
52.4	12:12:28		52.4	52.4
52.4	12:12:29		52.4	52.4
52.4	12:12:30		52.4	52.4
52.4	12:12:31		52.4	52.4
52.4	12:12:32		52.4	52.4
52.2	12:12:33		52.2	52.2
52.2	12:12:34		52.2	52.2
52.3	12:12:35		52.3	52.3

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.7	12:14:40		53.7	53.7
53.6	12:14:41		53.6	53.6
53.5	12:14:42		53.5	53.5
53.3	12:14:43		53.3	53.3
53.2	12:14:44		53.2	53.2
53.3	12:14:45		53.3	53.3
53.2	12:14:46		53.2	53.2
53.0	12:14:47		53.0	53.0
52.8	12:14:48		52.8	52.8
52.7	12:14:49		52.7	52.7
52.7	12:14:50		52.7	52.7
52.8	12:14:51		52.8	52.8
52.6	12:14:52		52.6	52.6
52.4	12:14:53		52.4	52.4
52.5	12:14:54		52.5	52.5
52.3	12:14:55		52.3	52.3
52.2	12:14:56		52.2	52.2
52.2	12:14:57		52.2	52.2
52.3	12:14:58		52.3	52.3
52.3	12:14:59		52.3	52.3
52.4	12:15:00		52.4	52.4
52.3	12:15:01		52.3	52.3
52.3	12:15:02		52.3	52.3
52.3	12:15:03		52.3	52.3
52.6	12:15:04		52.6	52.6
52.6	12:15:05		52.6	52.6
52.7	12:15:06		52.7	52.7
52.7	12:15:07		52.7	52.7
52.5	12:15:08		52.5	52.5
52.5	12:15:09		52.5	52.5
52.4	12:15:10		52.4	52.4
52.5	12:15:11		52.5	52.5
52.4	12:15:12		52.4	52.4
52.3	12:15:13		52.3	52.3
52.8	12:15:14		52.8	52.8
52.4	12:15:15		52.4	52.4
52.3	12:15:16		52.3	52.3
52.3	12:15:17		52.3	52.3
52.1	12:15:18		52.1	52.1
52.0	12:15:19		52.0	52.0
52.0	12:15:20		52.0	52.0
52.1	12:15:21		52.1	52.1
52.2	12:15:22		52.2	52.2
52.1	12:15:23		52.1	52.1
52.2	12:15:24		52.2	52.2
52.4	12:15:25		52.4	52.4
52.3	12:15:26		52.3	52.3
52.3	12:15:27		52.3	52.3
52.5	12:15:28		52.5	52.5
52.7	12:15:29		52.7	52.7
52.8	12:15:30		52.8	52.8
52.8	12:15:31		52.8	52.8
52.6	12:15:32		52.6	52.6
52.6	12:15:33		52.6	52.6
53.0	12:15:34		53.0	53.0
52.9	12:15:35		52.9	52.9
52.4	12:15:36		52.4	52.4
52.1	12:15:37		52.1	52.1
52.1	12:15:38		52.1	52.1
52.2	12:15:39		52.2	52.2
52.2	12:15:40		52.2	52.2
52.0	12:15:41		52.0	52.0
52.0	12:15:42		52.0	52.0
52.1	12:15:43		52.1	52.1
52.1	12:15:44		52.1	52.1
52.3	12:15:45		52.3	52.3
52.2	12:15:46		52.2	52.2
52.1	12:15:47		52.1	52.1
52.1	12:15:48		52.1	52.1
52.2	12:15:49		52.2	52.2
52.0	12:15:50		52.0	52.0
51.8	12:15:51		51.8	51.8
51.7	12:15:52		51.7	51.7
51.6	12:15:53		51.6	51.6
51.4	12:15:54		51.4	51.4
51.4	12:15:55		51.4	51.4
51.5	12:15:56		51.5	51.5
51.5	12:15:57		51.5	51.5
51.5	12:15:58		51.5	51.5
51.5	12:15:59		51.5	51.5
51.3	12:16:00		51.3	51.3
51.3	12:16:01		51.3	51.3
51.4	12:16:02		51.4	51.4
51.5	12:16:03		51.5	51.5
51.5	12:16:04		51.5	51.5
51.7	12:16:05		51.7	51.7
51.8	12:16:06		51.8	51.8
51.8	12:16:07		51.8	51.8
51.9	12:16:08		51.9	51.9
51.9	12:16:09		51.9	51.9
52.1	12:16:10		52.1	52.1
52.1	12:16:11		52.1	52.1
52.0	12:16:12		52.0	52.0
51.9	12:16:13		51.9	51.9
51.8	12:16:14		51.8	51.8
51.8	12:16:15		51.8	51.8
51.7	12:16:16		51.7	51.7
51.7	12:16:17		51.7	51.7
51.8	12:16:18		51.8	51.8
51.6	12:16:19		51.6	51.6
51.6	12:16:20		51.6	51.6
51.7	12:16:21		51.7	51.7
51.9	12:16:22		51.9	51.9
51.8	12:16:23		51.8	51.8
51.7	12:16:24		51.7	51.7
51.7	12:16:25		51.7	51.7
51.6	12:16:26		51.6	51.6
51.7	12:16:27		51.7	51.7
51.7	12:16:28		51.7	51.7
51.8	12:16:29		51.8	51.8
52.0	12:16:30		52.0	52.0
52.3	12:16:31		52.3	52.3
53.0	12:16:32		53.0	53.0
52.9	12:16:33		52.9	52.9
53.1	12:16:34		53.1	53.1
54.6	12:16:35		54.6	54.6
55.1	12:16:36		55.1	55.1
54.3	12:16:37		54.3	54.3
54.0	12:16:38		54.0	54.0
54.0	12:16:39		54.0	54.0
54.0	12:16:40		54.0	54.0
54.0	12:16:41		54.0	54.0
54.1	12:16:42		54.1	54.1
54.3	12:16:43		54.3	54.3
54.7	12:16:44		54.7	54.7
54.6	12:16:45		54.6	54.6
54.5	12:16:46		54.5	54.5
54.3	12:16:47		54.3	54.3
54.3	12:16:48		54.3	54.3
54.4	12:16:49		54.4	54.4
54.4	12:16:50		54.4	54.4
54.2	12:16:51		54.2	54.2
54.0	12:16:52		54.0	54.0
54.0	12:16:53		54.0	54.0
53.9	12:16:54		53.9	53.9
53.8	12:16:55		53.8	53.8
53.7	12:16:56		53.7	53.7
53.7	12:16:57		53.7	53.7
53.7	12:16:58		53.7	53.7
53.9	12:16:59		53.9	53.9
54.0	12:17:00		54.0	54.0
53.9	12:17:01		53.9	53.9
53.7	12:17:02		53.7	53.7
53.4	12:17:03		53.4	53.4
53.2	12:17:04		53.2	53.2
53.2	12:17:05		53.2	53.2
53.2	12:17:06		53.2	53.2
53.0	12:17:07		53.0	53.0
53.0	12:17:08		53.0	53.0
53.8	12:17:09		53.8	53.8
54.1	12:17:10		54.1	54.1
54.8	12:17:11		54.8	54.8
62.3	12:17:12		62.3	62.3
59.8	12:17:13		59.8	59.8
57.7	12:17:14		57.7	57.7
56.8	12:17:15		56.8	56.8
56.3	12:17:16		56.3	56.3
56.5	12:17:17		56.5	56.5
56.6	12:17:18		56.6	56.6
57.3	12:17:19		57.3	57.3
57.3	12:17:20		57.3	57.3
55.7	12:17:21		55.7	55.7
55.0	12:17:22		55.0	55.0
54.7	12:17:23		54.7	54.7
54.3	12:17:24		54.3	54.3
53.6	12:17:25		53.6	53.6
53.2	12:17:26		53.2	53.2
52.8	12:17:27		52.8	52.8
52.4	12:17:28		52.4	52.4
52.7	12:17:29		52.7	52.7
52.8	12:17:30		52.8	52.8
52.5	12:17:31		52.5	52.5
52.7	12:17:32		52.7	52.7

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.6	12:05:11		53.6	53.6
53.9	12:05:12		53.9	53.9
54.9	12:05:13		54.9	54.9
56.0	12:05:14		56.0	56.0
56.5	12:05:15		56.5	56.5
56.6	12:05:16		56.6	56.6
57.6	12:05:17		57.6	57.6
58.6	12:05:18		58.6	58.6
58.5	12:05:19		58.5	58.5
58.6	12:05:20		58.6	58.6
58.5	12:05:21		58.5	58.5
57.6	12:05:22		57.6	57.6
57.1	12:05:23		57.1	57.1
56.5	12:05:24		56.5	56.5
55.8	12:05:25		55.8	55.8
55.4	12:05:26		55.4	55.4
55.5	12:05:27		55.5	55.5
55.6	12:05:28		55.6	55.6
56.3	12:05:29		56.3	56.3
57.5	12:05:30		57.5	57.5
58.0	12:05:31		58.0	58.0
58.5	12:05:32		58.5	58.5
58.3	12:05:33		58.3	58.3
58.5	12:05:34		58.5	58.5
58.5	12:05:35		58.5	58.5
57.9	12:05:36		57.9	57.9
57.7	12:05:37		57.7	57.7
58.1	12:05:38		58.1	58.1
58.2	12:05:39		58.2	58.2
58.0	12:05:40		58.0	58.0
57.1	12:05:41		57.1	57.1
56.2	12:05:42		56.2	56.2
55.5	12:05:43		55.5	55.5
55.0	12:05:44		55.0	55.0
54.1	12:05:45		54.1	54.1
53.4	12:05:46		53.4	53.4
53.3	12:05:47		53.3	53.3
53.9	12:05:48		53.9	53.9
53.8	12:05:49		53.8	53.8
53.6	12:05:50		53.6	53.6
54.0	12:05:51		54.0	54.0
53.6	12:05:52		53.6	53.6
53.0	12:05:53		53.0	53.0
52.9	12:05:54		52.9	52.9
52.7	12:05:55		52.7	52.7
52.6	12:05:56		52.6	52.6
52.6	12:05:57		52.6	52.6
52.8	12:05:58		52.8	52.8
53.0	12:05:59		53.0	53.0
52.9	12:06:00		52.9	52.9
52.9	12:06:01		52.9	52.9
52.8	12:06:02		52.8	52.8
52.7	12:06:03		52.7	52.7
52.6	12:06:04		52.6	52.6
52.8	12:06:05		52.8	52.8
52.9	12:06:06		52.9	52.9
52.8	12:06:07		52.8	52.8
53.2	12:06:08		53.2	53.2
53.5	12:06:09		53.5	53.5
53.4	12:06:10		53.4	53.4
53.3	12:06:11		53.3	53.3
53.1	12:06:12		53.1	53.1
53.7	12:06:13		53.7	53.7
53.8	12:06:14		53.8	53.8
54.4	12:06:15		54.4	54.4
55.1	12:06:16		55.1	55.1
55.3	12:06:17		55.3	55.3
56.1	12:06:18		56.1	56.1
56.3	12:06:19		56.3	56.3
55.9	12:06:20		55.9	55.9
55.8	12:06:21		55.8	55.8
55.4	12:06:22		55.4	55.4
55.1	12:06:23		55.1	55.1
55.1	12:06:24		55.1	55.1
55.1	12:06:25		55.1	55.1
55.3	12:06:26		55.3	55.3
55.0	12:06:27		55.0	55.0
54.9	12:06:28		54.9	54.9
54.6	12:06:29		54.6	54.6
54.7	12:06:30		54.7	54.7
55.4	12:06:31		55.4	55.4
56.4	12:06:32		56.4	56.4
57.1	12:06:33		57.1	57.1
57.0	12:06:34		57.0	57.0
57.1	12:06:35		57.1	57.1
56.9	12:06:36		56.9	56.9
56.4	12:06:37		56.4	56.4
56.3	12:06:38		56.3	56.3
57.1	12:06:39		57.1	57.1
57.5	12:06:40		57.5	57.5
58.9	12:06:41		58.9	58.9
60.7	12:06:42		60.7	60.7
63.7	12:06:43		63.7	63.7
66.5	12:06:44		66.5	66.5
67.3	12:06:45		67.3	67.3
66.8	12:06:46		66.8	66.8
65.6	12:06:47		65.6	65.6
63.9	12:06:48		63.9	63.9
61.9	12:06:49		61.9	61.9
60.1	12:06:50		60.1	60.1
58.5	12:06:51		58.5	58.5
57.2	12:06:52		57.2	57.2
56.3	12:06:53		56.3	56.3
56.0	12:06:54		56.0	56.0
55.4	12:06:55		55.4	55.4
55.0	12:06:56		55.0	55.0
54.6	12:06:57		54.6	54.6
54.1	12:06:58		54.1	54.1
53.9	12:06:59		53.9	53.9
54.8	12:07:00		54.8	54.8
56.6	12:07:01		56.6	56.6
58.3	12:07:02		58.3	58.3
60.2	12:07:03		60.2	60.2
59.7	12:07:04		59.7	59.7
59.6	12:07:05		59.6	59.6
58.2	12:07:06		58.2	58.2
57.4	12:07:07		57.4	57.4
60.2	12:07:08		60.2	60.2
60.4	12:07:09		60.4	60.4
59.9	12:07:10		59.9	59.9
60.1	12:07:11		60.1	60.1
58.9	12:07:12		58.9	58.9
57.3	12:07:13		57.3	57.3
55.9	12:07:14		55.9	55.9
55.0	12:07:15		55.0	55.0
54.4	12:07:16		54.4	54.4
54.0	12:07:17		54.0	54.0
53.7	12:07:18		53.7	53.7
53.6	12:07:19		53.6	53.6
53.7	12:07:20		53.7	53.7
53.6	12:07:21		53.6	53.6
53.7	12:07:22		53.7	53.7
53.8	12:07:23		53.8	53.8
53.8	12:07:24		53.8	53.8
54.0	12:07:25		54.0	54.0
54.3	12:07:26		54.3	54.3
54.9	12:07:27		54.9	54.9
55.6	12:07:28		55.6	55.6
56.5	12:07:29		56.5	56.5
57.4	12:07:30		57.4	57.4
58.0	12:07:31		58.0	58.0
58.3	12:07:32		58.3	58.3
59.0	12:07:33		59.0	59.0
60.8	12:07:34		60.8	60.8
62.6	12:07:35		62.6	62.6
63.1	12:07:36		63.1	63.1
63.3	12:07:37		63.3	63.3
62.6	12:07:38		62.6	62.6
61.2	12:07:39		61.2	61.2
59.9	12:07:40		59.9	59.9
58.3	12:07:41		58.3	58.3
56.8	12:07:42		56.8	56.8
56.2	12:07:43		56.2	56.2
56.3	12:07:44		56.3	56.3

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.5	12:12:36		52.5	52.5
52.3	12:12:37		52.3	52.3
52.1	12:12:38		52.1	52.1
52.3	12:12:39		52.3	52.3
52.0	12:12:40		52.0	52.0
52.0	12:12:41		52.0	52.0
52.0	12:12:42		52.0	52.0
52.1	12:12:43		52.1	52.1
52.1	12:12:44		52.1	52.1
52.1	12:12:45		52.1	52.1
52.0	12:12:46		52.0	52.0
52.0	12:12:47		52.0	52.0
52.0	12:12:48		52.0	52.0
51.9	12:12:49		51.9	51.9
51.9	12:12:50		51.9	51.9
52.0	12:12:51		52.0	52.0
52.1	12:12:52		52.1	52.1
51.9	12:12:53		51.9	51.9
51.6	12:12:54		51.6	51.6
51.5	12:12:55		51.5	51.5
51.6	12:12:56		51.6	51.6
51.6	12:12:57		51.6	51.6
51.6	12:12:58		51.6	51.6
51.9	12:12:59		51.9	51.9
52.1	12:13:00		52.1	52.1
52.4	12:13:01		52.4	52.4
52.5	12:13:02		52.5	52.5
52.3	12:13:03		52.3	52.3
52.2	12:13:04		52.2	52.2
52.4	12:13:05		52.4	52.4
53.0	12:13:06		53.0	53.0
53.4	12:13:07		53.4	53.4
53.3	12:13:08		53.3	53.3
52.9	12:13:09		52.9	52.9
52.7	12:13:10		52.7	52.7
52.4	12:13:11		52.4	52.4
52.4	12:13:12		52.4	52.4
52.4	12:13:13		52.4	52.4
52.3	12:13:14		52.3	52.3
52.1	12:13:15		52.1	52.1
51.9	12:13:16		51.9	51.9
51.7	12:13:17		51.7	51.7
51.9	12:13:18		51.9	51.9
51.9	12:13:19		51.9	51.9
52.0	12:13:20		52.0	52.0
52.0	12:13:21		52.0	52.0
52.0	12:13:22		52.0	52.0
51.9	12:13:23		51.9	51.9
52.0	12:13:24		52.0	52.0
52.0	12:13:25		52.0	52.0
51.9	12:13:26		51.9	51.9
51.8	12:13:27		51.8	51.8
51.8	12:13:28		51.8	51.8
51.8	12:13:29		51.8	51.8
51.8	12:13:30		51.8	51.8
51.8	12:13:31		51.8	51.8
51.7	12:13:32		51.7	51.7
51.8	12:13:33		51.8	51.8
51.9	12:13:34		51.9	51.9
52.0	12:13:35		52.0	52.0
52.1	12:13:36		52.1	52.1
52.2	12:13:37		52.2	52.2
52.2	12:13:38		52.2	52.2
52.2	12:13:39		52.2	52.2
52.1	12:13:40		52.1	52.1
52.2	12:13:41		52.2	52.2
52.2	12:13:42		52.2	52.2
52.1	12:13:43		52.1	52.1
52.1	12:13:44		52.1	52.1
52.2	12:13:45		52.2	52.2
52.3	12:13:46		52.3	52.3
52.3	12:13:47		52.3	52.3
52.1	12:13:48		52.1	52.1
52.1	12:13:49		52.1	52.1
52.0	12:13:50		52.0	52.0
52.0	12:13:51		52.0	52.0
52.1	12:13:52		52.1	52.1
52.2	12:13:53		52.2	52.2
52.2	12:13:54		52.2	52.2
52.1	12:13:55		52.1	52.1
52.0	12:13:56		52.0	52.0
51.9	12:13:57		51.9	51.9
51.9	12:13:58		51.9	51.9
51.8	12:13:59		51.8	51.8
51.9	12:14:00		51.9	51.9
51.8	12:14:01		51.8	51.8
51.7	12:14:02		51.7	51.7
51.8	12:14:03		51.8	51.8
51.9	12:14:04		51.9	51.9
52.0	12:14:05		52.0	52.0
52.0	12:14:06		52.0	52.0
51.9	12:14:07		51.9	51.9
51.9	12:14:08		51.9	51.9
51.9	12:14:09		51.9	51.9
51.9	12:14:10		51.9	51.9
51.9	12:14:11		51.9	51.9
51.9	12:14:12		51.9	51.9
51.8	12:14:13		51.8	51.8
51.8	12:14:14		51.8	51.8
52.0	12:14:15		52.0	52.0
52.1	12:14:16		52.1	52.1
52.0	12:14:17		52.0	52.0
51.9	12:14:18		51.9	51.9
51.8	12:14:19		51.8	51.8
51.9	12:14:20		51.9	51.9
51.9	12:14:21		51.9	51.9
51.8	12:14:22		51.8	51.8
51.8	12:14:23		51.8	51.8
51.8	12:14:24		51.8	51.8
51.8	12:14:25		51.8	51.8
51.8	12:14:26		51.8	51.8
51.8	12:14:27		51.8	51.8
51.9	12:14:28		51.9	51.9
52.0	12:14:29		52.0	52.0
52.0	12:14:30		52.0	52.0
51.9	12:14:31		51.9	51.9
52.0	12:14:32		52.0	52.0
52.1	12:14:33		52.1	52.1
52.1	12:14:34		52.1	52.1
52.0	12:14:35		52.0	52.0
51.9	12:14:36		51.9	51.9
51.8	12:14:37		51.8	51.8
51.7	12:14:38		51.7	51.7
51.9	12:14:39		51.9	51.9
52.0	12:14:40		52.0	52.0
52.0	12:14:41		52.0	52.0
52.2	12:14:42		52.2	52.2
52.3	12:14:43		52.3	52.3
52.2	12:14:44		52.2	52.2
52.0	12:14:45		52.0	52.0
51.8	12:14:46		51.8	51.8
52.0	12:14:47		52.0	52.0
52.2	12:14:48		52.2	52.2
51.9	12:14:49		51.9	51.9
51.7	12:14:50		51.7	51.7
51.8	12:14:51		51.8	51.8
51.7	12:14:52		51.7	51.7
51.7	12:14:53		51.7	51.7
51.5	12:14:54		51.5	51.5
51.6	12:14:55		51.6	51.6
51.5	12:14:56		51.5	51.5
51.5	12:14:57		51.5	51.5
51.5	12:14:58		51.5	51.5
51.5	12:14:59		51.5	51.5
51.5	12:15:00		51.5	51.5
51.4	12:15:01		51.4	51.4
51.5	12:15:02		51.5	51.5
51.5	12:15:03		51.5	51.5
51.4	12:15:04		51.4	51.4
51.3	12:15:05		51.3	51.3
51.3	12:15:06		51.3	51.3
51.5	12:15:07		51.5	51.5
51.6	12:15:08		51.6	51.6
51.7	12:15:09		51.7	51.7

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.1	12:17:33		53.1	53.1
53.3	12:17:34		53.3	53.3
53.3	12:17:35		53.3	53.3
53.5	12:17:36		53.5	53.5
53.5	12:17:37		53.5	53.5
53.2	12:17:38		53.2	53.2
53.4	12:17:39		53.4	53.4
53.7	12:17:40		53.7	53.7
53.5	12:17:41		53.5	53.5
53.4	12:17:42		53.4	53.4
53.4	12:17:43		53.4	53.4
53.3	12:17:44		53.3	53.3
53.3	12:17:45		53.3	53.3
53.2	12:17:46		53.2	53.2
53.1	12:17:47		53.1	53.1
53.1	12:17:48		53.1	53.1
53.2	12:17:49		53.2	53.2
53.4	12:17:50		53.4	53.4
53.1	12:17:51		53.1	53.1
52.7	12:17:52		52.7	52.7
53.2	12:17:53		53.2	53.2
53.2	12:17:54		53.2	53.2
53.7	12:17:55		53.7	53.7
54.2	12:17:56		54.2	54.2
54.1	12:17:57		54.1	54.1
54.3	12:17:58		54.3	54.3
53.7	12:17:59		53.7	53.7
53.4	12:18:00		53.4	53.4
53.8	12:18:01		53.8	53.8
53.7	12:18:02		53.7	53.7
53.3	12:18:03		53.3	53.3
53.9	12:18:04		53.9	53.9
55.1	12:18:05		55.1	55.1
54.9	12:18:06		54.9	54.9
54.4	12:18:07		54.4	54.4
54.4	12:18:08		54.4	54.4
55.3	12:18:09		55.3	55.3
56.0	12:18:10		56.0	56.0
56.0	12:18:11		56.0	56.0
55.3	12:18:12		55.3	55.3
55.2	12:18:13		55.2	55.2
55.7	12:18:14		55.7	55.7
56.2	12:18:15		56.2	56.2
55.8	12:18:16		55.8	55.8
55.6	12:18:17		55.6	55.6
55.9	12:18:18		55.9	55.9
57.0	12:18:19		57.0	57.0
57.4	12:18:20		57.4	57.4
57.7	12:18:21		57.7	57.7
58.4	12:18:22		58.4	58.4
58.9	12:18:23		58.9	58.9
59.1	12:18:24		59.1	59.1
59.0	12:18:25		59.0	59.0
58.1	12:18:26		58.1	58.1
57.6	12:18:27		57.6	57.6
56.9	12:18:28		56.9	56.9
56.2	12:18:29		56.2	56.2
56.0	12:18:30		56.0	56.0
56.4	12:18:31		56.4	56.4
56.2	12:18:32		56.2	56.2
55.6	12:18:33		55.6	55.6
55.3	12:18:34		55.3	55.3
55.0	12:18:35		55.0	55.0
55.0	12:18:36		55.0	55.0
54.4	12:18:37		54.4	54.4
53.9	12:18:38		53.9	53.9
53.6	12:18:39		53.6	53.6
54.6	12:18:40		54.6	54.6
53.7	12:18:41		53.7	53.7
53.3	12:18:42		53.3	53.3
52.9	12:18:43		52.9	52.9
52.8	12:18:44		52.8	52.8
52.7	12:18:45		52.7	52.7
52.6	12:18:46		52.6	52.6
52.6	12:18:47		52.6	52.6
52.5	12:18:48		52.5	52.5
52.5	12:18:49		52.5	52.5
52.7	12:18:50		52.7	52.7
52.8	12:18:51		52.8	52.8
53.0	12:18:52		53.0	53.0
53.2	12:18:53		53.2	53.2
53.1	12:18:54		53.1	53.1
53.9	12:18:55		53.9	53.9
55.2	12:18:56		55.2	55.2
54.8	12:18:57		54.8	54.8
54.1	12:18:58		54.1	54.1
53.7	12:18:59		53.7	53.7
53.7	12:19:00		53.7	53.7
53.7	12:19:01		53.7	53.7
53.9	12:19:02		53.9	53.9
53.9	12:19:03		53.9	53.9
54.2	12:19:04		54.2	54.2
54.5	12:19:05		54.5	54.5
54.0	12:19:06		54.0	54.0
53.6	12:19:07		53.6	53.6
53.7	12:19:08		53.7	53.7
53.6	12:19:09		53.6	53.6
53.5	12:19:10		53.5	53.5
53.6	12:19:11		53.6	53.6
53.7	12:19:12		53.7	53.7
53.8	12:19:13		53.8	53.8
53.9	12:19:14		53.9	53.9
54.1	12:19:15		54.1	54.1
54.3	12:19:16		54.3	54.3
54.2	12:19:17		54.2	54.2
54.0	12:19:18		54.0	54.0
54.2	12:19:19		54.2	54.2
53.9	12:19:20		53.9	53.9
53.4	12:19:21		53.4	53.4
53.3	12:19:22		53.3	53.3
53.5	12:19:23		53.5	53.5
53.6	12:19:24		53.6	53.6
53.8	12:19:25		53.8	53.8
53.8	12:19:26		53.8	53.8
54.0	12:19:27		54.0	54.0
54.4	12:19:28		54.4	54.4
54.4	12:19:29		54.4	54.4
54.4	12:19:30		54.4	54.4
54.1	12:19:31		54.1	54.1
54.0	12:19:32		54.0	54.0
53.9	12:19:33		53.9	53.9
53.9	12:19:34		53.9	53.9
53.8	12:19:35		53.8	53.8
53.7	12:19:36		53.7	53.7
53.8	12:19:37		53.8	53.8
53.7	12:19:38		53.7	53.7
53.6	12:19:39		53.6	53.6
53.6	12:19:40		53.6	53.6
53.6	12:19:41		53.6	53.6
53.5	12:19:42		53.5	53.5
53.4	12:19:43		53.4	53.4
53.4	12:19:44		53.4	53.4
53.5	12:19:45		53.5	53.5
53.4	12:19:46		53.4	53.4
53.5	12:19:47		53.5	53.5
53.2	12:19:48		53.2	53.2
53.0	12:19:49		53.0	53.0
53.6	12:19:50		53.6	53.6
53.7	12:19:51		53.7	53.7
53.3	12:19:52		53.3	53.3
53.2	12:19:53		53.2	53.2
52.9	12:19:54		52.9	52.9
52.8	12:19:55		52.8	52.8
52.8	12:19:56		52.8	52.8
52.6	12:19:57		52.6	52.6
52.3	12:19:58		52.3	52.3
52.3	12:19:59		52.3	52.3
52.2	12:20:00		52.2	52.2
52.0	12:20:01		52.0	52.0
52.1	12:20:02		52.1	52.1
51.9	12:20:03		51.9	51.9
51.9	12:20:04		51.9	51.9
52.0	12:20:05		52.0	52.0
52.0	12:20:06		52.0	52.0

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
56.9	12:07:45		56.9	56.9
57.1	12:07:46		57.1	57.1
57.2	12:07:47		57.2	57.2
57.3	12:07:48		57.3	57.3
57.6	12:07:49		57.6	57.6
57.6	12:07:50		57.6	57.6
57.4	12:07:51		57.4	57.4
57.9	12:07:52		57.9	57.9
57.7	12:07:53		57.7	57.7
57.4	12:07:54		57.4	57.4
57.0	12:07:55		57.0	57.0
56.5	12:07:56		56.5	56.5
56.0	12:07:57		56.0	56.0
55.6	12:07:58		55.6	55.6
55.3	12:07:59		55.3	55.3
56.1	12:08:00		56.1	56.1
57.7	12:08:01		57.7	57.7
59.8	12:08:02		59.8	59.8
61.3	12:08:03		61.3	61.3
61.0	12:08:04		61.0	61.0
61.8	12:08:05		61.8	61.8
61.1	12:08:06		61.1	61.1
59.8	12:08:07		59.8	59.8
59.5	12:08:08		59.5	59.5
57.9	12:08:09		57.9	57.9
56.2	12:08:10		56.2	56.2
54.9	12:08:11		54.9	54.9
54.5	12:08:12		54.5	54.5
55.6	12:08:13		55.6	55.6
55.9	12:08:14		55.9	55.9
55.3	12:08:15		55.3	55.3
55.5	12:08:16		55.5	55.5
55.2	12:08:17		55.2	55.2
54.3	12:08:18		54.3	54.3
53.6	12:08:19		53.6	53.6
53.1	12:08:20		53.1	53.1
52.8	12:08:21		52.8	52.8
52.8	12:08:22		52.8	52.8
53.4	12:08:23		53.4	53.4
54.7	12:08:24		54.7	54.7
55.9	12:08:25		55.9	55.9
57.3	12:08:26		57.3	57.3
58.2	12:08:27		58.2	58.2
58.3	12:08:28		58.3	58.3
58.7	12:08:29		58.7	58.7
59.2	12:08:30		59.2	59.2
59.2	12:08:31		59.2	59.2
59.4	12:08:32		59.4	59.4
59.1	12:08:33		59.1	59.1
58.8	12:08:34		58.8	58.8
58.9	12:08:35		58.9	58.9
58.2	12:08:36		58.2	58.2
57.0	12:08:37		57.0	57.0
55.7	12:08:38		55.7	55.7
54.6	12:08:39		54.6	54.6
53.6	12:08:40		53.6	53.6
52.8	12:08:41		52.8	52.8
52.5	12:08:42		52.5	52.5
52.2	12:08:43		52.2	52.2
52.1	12:08:44		52.1	52.1
52.3	12:08:45		52.3	52.3
52.5	12:08:46		52.5	52.5
52.6	12:08:47		52.6	52.6
52.5	12:08:48		52.5	52.5
52.5	12:08:49		52.5	52.5
56.7	12:08:50		56.7	56.7
56.6	12:08:51		56.6	56.6
55.2	12:08:52		55.2	55.2
54.8	12:08:53		54.8	54.8
55.3	12:08:54		55.3	55.3
56.3	12:08:55		56.3	56.3
56.9	12:08:56		56.9	56.9
59.0	12:08:57		59.0	59.0
60.5	12:08:58		60.5	60.5
62.1	12:08:59		62.1	62.1
63.4	12:09:00		63.4	63.4
65.2	12:09:01		65.2	65.2
66.2	12:09:02		66.2	66.2
66.0	12:09:03		66.0	66.0
65.4	12:09:04		65.4	65.4
63.6	12:09:05		63.6	63.6
61.9	12:09:06		61.9	61.9
60.2	12:09:07		60.2	60.2
58.8	12:09:08		58.8	58.8
59.8	12:09:09		59.8	59.8
62.9	12:09:10		62.9	62.9
63.8	12:09:11		63.8	63.8
62.9	12:09:12		62.9	62.9
60.6	12:09:13		60.6	60.6
57.8	12:09:14		57.8	57.8
55.7	12:09:15		55.7	55.7
54.7	12:09:16		54.7	54.7
54.0	12:09:17		54.0	54.0
53.8	12:09:18		53.8	53.8
53.6	12:09:19		53.6	53.6
53.4	12:09:20		53.4	53.4
53.4	12:09:21		53.4	53.4
53.4	12:09:22		53.4	53.4
53.5	12:09:23		53.5	53.5
53.4	12:09:24		53.4	53.4
53.5	12:09:25		53.5	53.5
53.9	12:09:26		53.9	53.9
54.4	12:09:27		54.4	54.4
54.7	12:09:28		54.7	54.7
54.5	12:09:29		54.5	54.5
54.6	12:09:30		54.6	54.6
55.0	12:09:31		55.0	55.0
55.5	12:09:32		55.5	55.5
54.9	12:09:33		54.9	54.9
54.7	12:09:34		54.7	54.7
54.8	12:09:35		54.8	54.8
54.9	12:09:36		54.9	54.9
55.1	12:09:37		55.1	55.1
55.2	12:09:38		55.2	55.2
54.9	12:09:39		54.9	54.9
55.0	12:09:40		55.0	55.0
56.0	12:09:41		56.0	56.0
57.2	12:09:42		57.2	57.2
56.1	12:09:43		56.1	56.1
54.9	12:09:44		54.9	54.9
54.4	12:09:45		54.4	54.4
54.0	12:09:46		54.0	54.0
54.1	12:09:47		54.1	54.1
54.6	12:09:48		54.6	54.6
54.4	12:09:49		54.4	54.4
54.1	12:09:50		54.1	54.1
53.9	12:09:51		53.9	53.9
53.7	12:09:52		53.7	53.7
53.6	12:09:53		53.6	53.6
53.4	12:09:54		53.4	53.4
53.3	12:09:55		53.3	53.3
53.3	12:09:56		53.3	53.3
53.3	12:09:57		53.3	53.3
53.2	12:09:58		53.2	53.2
53.1	12:09:59		53.1	53.1
53.4	12:10:00		53.4	53.4
53.3	12:10:01		53.3	53.3
53.6	12:10:02		53.6	53.6
54.3	12:10:03		54.3	54.3
55.1	12:10:04		55.1	55.1
55.2	12:10:05		55.2	55.2
55.3	12:10:06		55.3	55.3
55.7	12:10:07		55.7	55.7
55.2	12:10:08		55.2	55.2
55.1	12:10:09		55.1	55.1
55.0	12:10:10		55.0	55.0
54.4	12:10:11		54.4	54.4
53.8	12:10:12		53.8	53.8
53.5	12:10:13		53.5	53.5
53.6	12:10:14		53.6	53.6
54.2	12:10:15		54.2	54.2
54.6	12:10:16		54.6	54.6
55.5	12:10:17		55.5	55.5
56.6	12:10:18		56.6	56.6

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
51.9	12:15:10		51.9	51.9
52.3	12:15:11		52.3	52.3
52.4	12:15:12		52.4	52.4
52.2	12:15:13		52.2	52.2
52.0	12:15:14		52.0	52.0
51.9	12:15:15		51.9	51.9
51.8	12:15:16		51.8	51.8
51.7	12:15:17		51.7	51.7
51.9	12:15:18		51.9	51.9
52.1	12:15:19		52.1	52.1
52.9	12:15:20		52.9	52.9
53.1	12:15:21		53.1	53.1
52.5	12:15:22		52.5	52.5
52.2	12:15:23		52.2	52.2
52.1	12:15:24		52.1	52.1
52.1	12:15:25		52.1	52.1
52.1	12:15:26		52.1	52.1
52.2	12:15:27		52.2	52.2
52.0	12:15:28		52.0	52.0
52.0	12:15:29		52.0	52.0
52.1	12:15:30		52.1	52.1
52.1	12:15:31		52.1	52.1
52.1	12:15:32		52.1	52.1
52.1	12:15:33		52.1	52.1
52.0	12:15:34		52.0	52.0
52.0	12:15:35		52.0	52.0
52.0	12:15:36		52.0	52.0
51.9	12:15:37		51.9	51.9
51.7	12:15:38		51.7	51.7
51.7	12:15:39		51.7	51.7
51.8	12:15:40		51.8	51.8
51.8	12:15:41		51.8	51.8
52.0	12:15:42		52.0	52.0
52.0	12:15:43		52.0	52.0
52.0	12:15:44		52.0	52.0
52.0	12:15:45		52.0	52.0
51.8	12:15:46		51.8	51.8
51.6	12:15:47		51.6	51.6
51.7	12:15:48		51.7	51.7
51.6	12:15:49		51.6	51.6
51.6	12:15:50		51.6	51.6
51.8	12:15:51		51.8	51.8
51.9	12:15:52		51.9	51.9
52.2	12:15:53		52.2	52.2
52.4	12:15:54		52.4	52.4
52.3	12:15:55		52.3	52.3
52.3	12:15:56		52.3	52.3
52.2	12:15:57		52.2	52.2
52.3	12:15:58		52.3	52.3
52.1	12:15:59		52.1	52.1
52.1	12:16:00		52.1	52.1
52.0	12:16:01		52.0	52.0
52.0	12:16:02		52.0	52.0
51.9	12:16:03		51.9	51.9
51.8	12:16:04		51.8	51.8
51.7	12:16:05		51.7	51.7
51.7	12:16:06		51.7	51.7
51.8	12:16:07		51.8	51.8
51.8	12:16:08		51.8	51.8
51.8	12:16:09		51.8	51.8
52.1	12:16:10		52.1	52.1
52.2	12:16:11		52.2	52.2
52.1	12:16:12		52.1	52.1
52.1	12:16:13		52.1	52.1
52.1	12:16:14		52.1	52.1
52.2	12:16:15		52.2	52.2
52.4	12:16:16		52.4	52.4
52.7	12:16:17		52.7	52.7
52.8	12:16:18		52.8	52.8
52.7	12:16:19		52.7	52.7
52.4	12:16:20		52.4	52.4
52.2	12:16:21		52.2	52.2
52.0	12:16:22		52.0	52.0
52.4	12:16:23		52.4	52.4
52.2	12:16:24		52.2	52.2
52.0	12:16:25		52.0	52.0
52.1	12:16:26		52.1	52.1
52.3	12:16:27		52.3	52.3
52.6	12:16:28		52.6	52.6
52.7	12:16:29		52.7	52.7
61.5	12:16:30		61.5	61.5
59.1	12:16:31		59.1	59.1
56.4	12:16:32		56.4	56.4
54.7	12:16:33		54.7	54.7
53.8	12:16:34		53.8	53.8
53.7	12:16:35		53.7	53.7
53.9	12:16:36		53.9	53.9
53.7	12:16:37		53.7	53.7
53.3	12:16:38		53.3	53.3
53.0	12:16:39		53.0	53.0
52.6	12:16:40		52.6	52.6
52.5	12:16:41		52.5	52.5
52.4	12:16:42		52.4	52.4
52.4	12:16:43		52.4	52.4
52.3	12:16:44		52.3	52.3
51.9	12:16:45		51.9	51.9
51.8	12:16:46		51.8	51.8
51.8	12:16:47		51.8	51.8
51.9	12:16:48		51.9	51.9
51.9	12:16:49		51.9	51.9
51.9	12:16:50		51.9	51.9
51.9	12:16:51		51.9	51.9
51.9	12:16:52		51.9	51.9
52.0	12:16:53		52.0	52.0
52.2	12:16:54		52.2	52.2
52.5	12:16:55		52.5	52.5
52.5	12:16:56		52.5	52.5
52.2	12:16:57		52.2	52.2
52.0	12:16:58		52.0	52.0
52.0	12:16:59		52.0	52.0
51.8	12:17:00		51.8	51.8
51.8	12:17:01		51.8	51.8
51.8	12:17:02		51.8	51.8
51.8	12:17:03		51.8	51.8
51.7	12:17:04		51.7	51.7
51.6	12:17:05		51.6	51.6
51.6	12:17:06		51.6	51.6
51.5	12:17:07		51.5	51.5
51.6	12:17:08		51.6	51.6
51.7	12:17:09		51.7	51.7
51.6	12:17:10		51.6	51.6
51.7	12:17:11		51.7	51.7
51.7	12:17:12		51.7	51.7
51.9	12:17:13		51.9	51.9
52.1	12:17:14		52.1	52.1
52.5	12:17:15		52.5	52.5
52.5	12:17:16		52.5	52.5
52.5	12:17:17		52.5	52.5
52.7	12:17:18		52.7	52.7
52.7	12:17:19		52.7	52.7
54.1	12:17:20		54.1	54.1
54.6	12:17:21		54.6	54.6
54.6	12:17:22		54.6	54.6
54.9	12:17:23		54.9	54.9
55.6	12:17:24		55.6	55.6
55.9	12:17:25		55.9	55.9
55.4	12:17:26		55.4	55.4
54.8	12:17:27		54.8	54.8
54.4	12:17:28		54.4	54.4
54.0	12:17:29		54.0	54.0
53.2	12:17:30		53.2	53.2
52.8	12:17:31		52.8	52.8
53.0	12:17:32		53.0	53.0
53.0	12:17:33		53.0	53.0
53.2	12:17:34		53.2	53.2
53.6	12:17:35		53.6	53.6
53.3	12:17:36		53.3	53.3
53.2	12:17:37		53.2	53.2
52.8	12:17:38		52.8	52.8
52.9	12:17:39		52.9	52.9
53.6	12:17:40		53.6	53.6
54.4	12:17:41		54.4	54.4
54.1	12:17:42		54.1	54.1
53.7	12:17:43		53.7	53.7

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
51.8	12:20:07		51.8	51.8
51.8	12:20:08		51.8	51.8
52.1	12:20:09		52.1	52.1
52.1	12:20:10		52.1	52.1
52.1	12:20:11		52.1	52.1
52.1	12:20:12		52.1	52.1
52.3	12:20:13		52.3	52.3
52.3	12:20:14		52.3	52.3
52.2	12:20:15		52.2	52.2
52.0	12:20:16		52.0	52.0
51.9	12:20:17		51.9	51.9
52.0	12:20:18		52.0	52.0
52.3	12:20:19		52.3	52.3
52.3	12:20:20		52.3	52.3
52.5	12:20:21		52.5	52.5
52.3	12:20:22		52.3	52.3
52.0	12:20:23		52.0	52.0
51.9	12:20:24		51.9	51.9
52.0	12:20:25		52.0	52.0
52.2	12:20:26		52.2	52.2
52.1	12:20:27		52.1	52.1
52.0	12:20:28		52.0	52.0
52.1	12:20:29		52.1	52.1
52.2	12:20:30		52.2	52.2
52.3	12:20:31		52.3	52.3
52.7	12:20:32		52.7	52.7
52.9	12:20:33		52.9	52.9
52.9	12:20:34		52.9	52.9
53.0	12:20:35		53.0	53.0
53.1	12:20:36		53.1	53.1
53.4	12:20:37		53.4	53.4
53.6	12:20:38		53.6	53.6
53.9	12:20:39		53.9	53.9
53.8	12:20:40		53.8	53.8
53.6	12:20:41		53.6	53.6
53.3	12:20:42		53.3	53.3
53.2	12:20:43		53.2	53.2
53.3	12:20:44		53.3	53.3
53.1	12:20:45		53.1	53.1
53.0	12:20:46		53.0	53.0
52.7	12:20:47		52.7	52.7
52.7	12:20:48		52.7	52.7
52.5	12:20:49		52.5	52.5
52.5	12:20:50		52.5	52.5
52.6	12:20:51		52.6	52.6
52.5	12:20:52		52.5	52.5
52.3	12:20:53		52.3	52.3
52.1	12:20:54		52.1	52.1
52.2	12:20:55		52.2	52.2
52.0	12:20:56		52.0	52.0
52.1	12:20:57		52.1	52.1
52.2	12:20:58		52.2	52.2
52.3	12:20:59		52.3	52.3
52.4	12:21:00		52.4	52.4
52.5	12:21:01		52.5	52.5
52.3	12:21:02		52.3	52.3
52.5	12:21:03		52.5	52.5
52.6	12:21:04		52.6	52.6
52.7	12:21:05		52.7	52.7
52.9	12:21:06		52.9	52.9
52.9	12:21:07		52.9	52.9
52.8	12:21:08		52.8	52.8
52.8	12:21:09		52.8	52.8
52.8	12:21:10		52.8	52.8
52.9	12:21:11		52.9	52.9
52.9	12:21:12		52.9	52.9
52.8	12:21:13		52.8	52.8
53.0	12:21:14		53.0	53.0
53.5	12:21:15		53.5	53.5
53.5	12:21:16		53.5	53.5
53.7	12:21:17		53.7	53.7
54.0	12:21:18		54.0	54.0
54.1	12:21:19		54.1	54.1
54.0	12:21:20		54.0	54.0
53.9	12:21:21		53.9	53.9
54.0	12:21:22		54.0	54.0
54.0	12:21:23		54.0	54.0
54.1	12:21:24		54.1	54.1
54.4	12:21:25		54.4	54.4
54.4	12:21:26		54.4	54.4
54.3	12:21:27		54.3	54.3
54.4	12:21:28		54.4	54.4
54.3	12:21:29		54.3	54.3
54.1	12:21:30		54.1	54.1
54.0	12:21:31		54.0	54.0
54.2	12:21:32		54.2	54.2
54.2	12:21:33		54.2	54.2
54.0	12:21:34		54.0	54.0
53.8	12:21:35		53.8	53.8
53.9	12:21:36		53.9	53.9
53.9	12:21:37		53.9	53.9
54.0	12:21:38		54.0	54.0
53.9	12:21:39		53.9	53.9
53.7	12:21:40		53.7	53.7
53.9	12:21:41		53.9	53.9
54.1	12:21:42		54.1	54.1
53.8	12:21:43		53.8	53.8
53.4	12:21:44		53.4	53.4
53.3	12:21:45		53.3	53.3
53.4	12:21:46		53.4	53.4
53.4	12:21:47		53.4	53.4
53.5	12:21:48		53.5	53.5
53.6	12:21:49		53.6	53.6
53.8	12:21:50		53.8	53.8
53.7	12:21:51		53.7	53.7
53.7	12:21:52		53.7	53.7
53.8	12:21:53		53.8	53.8
53.8	12:21:54		53.8	53.8
53.8	12:21:55		53.8	53.8
53.5	12:21:56		53.5	53.5
53.5	12:21:57		53.5	53.5
53.5	12:21:58		53.5	53.5
53.4	12:21:59		53.4	53.4
53.4	12:22:00		53.4	53.4
53.6	12:22:01		53.6	53.6
53.8	12:22:02		53.8	53.8
54.3	12:22:03		54.3	54.3
54.8	12:22:04		54.8	54.8
54.8	12:22:05		54.8	54.8
54.7	12:22:06		54.7	54.7
54.4	12:22:07		54.4	54.4
54.4	12:22:08		54.4	54.4
54.2	12:22:09		54.2	54.2
54.1	12:22:10		54.1	54.1
54.1	12:22:11		54.1	54.1
53.9	12:22:12		53.9	53.9
53.6	12:22:13		53.6	53.6
53.5	12:22:14		53.5	53.5
53.5	12:22:15		53.5	53.5
53.3	12:22:16		53.3	53.3
53.2	12:22:17		53.2	53.2
53.1	12:22:18		53.1	53.1
53.0	12:22:19		53.0	53.0
52.7	12:22:20		52.7	52.7
52.8	12:22:21		52.8	52.8
53.0	12:22:22		53.0	53.0
52.9	12:22:23		52.9	52.9
53.3	12:22:24		53.3	53.3
53.2	12:22:25		53.2	53.2
53.0	12:22:26		53.0	53.0
53.1	12:22:27		53.1	53.1
53.1	12:22:28		53.1	53.1
53.0	12:22:29		53.0	53.0
52.9	12:22:30		52.9	52.9
53.0	12:22:31		53.0	53.0
53.4	12:22:32		53.4	53.4
53.5	12:22:33		53.5	53.5
53.7	12:22:34		53.7	53.7
53.7	12:22:35		53.7	53.7
53.8	12:22:36		53.8	53.8
53.7	12:22:37		53.7	53.7
53.6	12:22:38		53.6	53.6
53.5	12:22:39		53.5	53.5
53.6	12:22:40		53.6	53.6

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
57.0	12:10:19		57.0	57.0
58.0	12:10:20		58.0	58.0
58.1	12:10:21		58.1	58.1
57.7	12:10:22		57.7	57.7
57.6	12:10:23		57.6	57.6
59.6	12:10:24		59.6	59.6
62.5	12:10:25		62.5	62.5
65.9	12:10:26		65.9	65.9
66.7	12:10:27		66.7	66.7
65.5	12:10:28		65.5	65.5
63.6	12:10:29		63.6	63.6
60.9	12:10:30		60.9	60.9
58.3	12:10:31		58.3	58.3
56.1	12:10:32		56.1	56.1
54.9	12:10:33		54.9	54.9
56.5	12:10:34		56.5	56.5
59.8	12:10:35		59.8	59.8
62.1	12:10:36		62.1	62.1
61.5	12:10:37		61.5	61.5
60.8	12:10:38		60.8	60.8
58.6	12:10:39		58.6	58.6
56.7	12:10:40		56.7	56.7
55.2	12:10:41		55.2	55.2
55.1	12:10:42		55.1	55.1
59.0	12:10:43		59.0	59.0
62.3	12:10:44		62.3	62.3
62.9	12:10:45		62.9	62.9
62.2	12:10:46		62.2	62.2
60.7	12:10:47		60.7	60.7
59.3	12:10:48		59.3	59.3
58.0	12:10:49		58.0	58.0
57.1	12:10:50		57.1	57.1
55.6	12:10:51		55.6	55.6
54.3	12:10:52		54.3	54.3
53.4	12:10:53		53.4	53.4
53.1	12:10:54		53.1	53.1
53.1	12:10:55		53.1	53.1
53.8	12:10:56		53.8	53.8
54.2	12:10:57		54.2	54.2
53.8	12:10:58		53.8	53.8
53.2	12:10:59		53.2	53.2
53.1	12:11:00		53.1	53.1
53.0	12:11:01		53.0	53.0
53.0	12:11:02		53.0	53.0
53.0	12:11:03		53.0	53.0
53.1	12:11:04		53.1	53.1
53.0	12:11:05		53.0	53.0
53.8	12:11:06		53.8	53.8
53.4	12:11:07		53.4	53.4
53.3	12:11:08		53.3	53.3
53.6	12:11:09		53.6	53.6
54.5	12:11:10		54.5	54.5
57.6	12:11:11		57.6	57.6
60.1	12:11:12		60.1	60.1
61.6	12:11:13		61.6	61.6
61.9	12:11:14		61.9	61.9
61.0	12:11:15		61.0	61.0
59.5	12:11:16		59.5	59.5
58.5	12:11:17		58.5	58.5
58.0	12:11:18		58.0	58.0
57.7	12:11:19		57.7	57.7
57.9	12:11:20		57.9	57.9
58.5	12:11:21		58.5	58.5
58.6	12:11:22		58.6	58.6
58.7	12:11:23		58.7	58.7
58.6	12:11:24		58.6	58.6
58.5	12:11:25		58.5	58.5
57.7	12:11:26		57.7	57.7
56.8	12:11:27		56.8	56.8
55.6	12:11:28		55.6	55.6
54.4	12:11:29		54.4	54.4
53.5	12:11:30		53.5	53.5
53.0	12:11:31		53.0	53.0
52.7	12:11:32		52.7	52.7
52.7	12:11:33		52.7	52.7
52.8	12:11:34		52.8	52.8
52.7	12:11:35		52.7	52.7
52.7	12:11:36		52.7	52.7
52.7	12:11:37		52.7	52.7
52.8	12:11:38		52.8	52.8
52.6	12:11:39		52.6	52.6
52.5	12:11:40		52.5	52.5
52.9	12:11:41		52.9	52.9
53.1	12:11:42		53.1	53.1
53.6	12:11:43		53.6	53.6
54.2	12:11:44		54.2	54.2
54.5	12:11:45		54.5	54.5
55.1	12:11:46		55.1	55.1
56.7	12:11:47		56.7	56.7
57.1	12:11:48		57.1	57.1
57.6	12:11:49		57.6	57.6
58.3	12:11:50		58.3	58.3
59.0	12:11:51		59.0	59.0
59.7	12:11:52		59.7	59.7
59.4	12:11:53		59.4	59.4
58.7	12:11:54		58.7	58.7
58.8	12:11:55		58.8	58.8
58.7	12:11:56		58.7	58.7
57.9	12:11:57		57.9	57.9
57.2	12:11:58		57.2	57.2
55.8	12:11:59		55.8	55.8
54.5	12:12:00		54.5	54.5
53.6	12:12:01		53.6	53.6
53.2	12:12:02		53.2	53.2
52.8	12:12:03		52.8	52.8
52.8	12:12:04		52.8	52.8
52.7	12:12:05		52.7	52.7
52.7	12:12:06		52.7	52.7
53.5	12:12:07		53.5	53.5
54.8	12:12:08		54.8	54.8
55.3	12:12:09		55.3	55.3
55.1	12:12:10		55.1	55.1
55.1	12:12:11		55.1	55.1
55.3	12:12:12		55.3	55.3
54.8	12:12:13		54.8	54.8
54.2	12:12:14		54.2	54.2
53.5	12:12:15		53.5	53.5
53.0	12:12:16		53.0	53.0
52.6	12:12:17		52.6	52.6
52.4	12:12:18		52.4	52.4
52.1	12:12:19		52.1	52.1
51.8	12:12:20		51.8	51.8
51.5	12:12:21		51.5	51.5
51.6	12:12:22		51.6	51.6
51.8	12:12:23		51.8	51.8
52.2	12:12:24		52.2	52.2
52.3	12:12:25		52.3	52.3
52.3	12:12:26		52.3	52.3
52.4	12:12:27		52.4	52.4
52.2	12:12:28		52.2	52.2
51.8	12:12:29		51.8	51.8
51.6	12:12:30		51.6	51.6
52.4	12:12:31		52.4	52.4
53.1	12:12:32		53.1	53.1
52.7	12:12:33		52.7	52.7
52.3	12:12:34		52.3	52.3
52.2	12:12:35		52.2	52.2
52.3	12:12:36		52.3	52.3
52.7	12:12:37		52.7	52.7
53.4	12:12:38		53.4	53.4
56.2	12:12:39		56.2	56.2
58.7	12:12:40		58.7	58.7
61.6	12:12:41		61.6	61.6
61.7	12:12:42		61.7	61.7
62.1	12:12:43		62.1	62.1
63.1	12:12:44		63.1	63.1
63.1	12:12:45		63.1	63.1
61.9	12:12:46		61.9	61.9
60.2	12:12:47		60.2	60.2
58.2	12:12:48		58.2	58.2
57.0	12:12:49		57.0	57.0
55.6	12:12:50		55.6	55.6
54.8	12:12:51		54.8	54.8
54.8	12:12:52		54.8	54.8

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.3	12:17:44		53.3	53.3
53.3	12:17:45		53.3	53.3
53.6	12:17:46		53.6	53.6
53.3	12:17:47		53.3	53.3
53.3	12:17:48		53.3	53.3
53.3	12:17:49		53.3	53.3
53.5	12:17:50		53.5	53.5
54.2	12:17:51		54.2	54.2
54.6	12:17:52		54.6	54.6
54.9	12:17:53		54.9	54.9
54.8	12:17:54		54.8	54.8
54.7	12:17:55		54.7	54.7
54.4	12:17:56		54.4	54.4
53.9	12:17:57		53.9	53.9
53.8	12:17:58		53.8	53.8
54.2	12:17:59		54.2	54.2
54.5	12:18:00		54.5	54.5
54.8	12:18:01		54.8	54.8
54.8	12:18:02		54.8	54.8
54.7	12:18:03		54.7	54.7
54.4	12:18:04		54.4	54.4
54.5	12:18:05		54.5	54.5
55.4	12:18:06		55.4	55.4
54.6	12:18:07		54.6	54.6
54.1	12:18:08		54.1	54.1
53.7	12:18:09		53.7	53.7
53.4	12:18:10		53.4	53.4
53.1	12:18:11		53.1	53.1
53.1	12:18:12		53.1	53.1
53.1	12:18:13		53.1	53.1
52.9	12:18:14		52.9	52.9
53.0	12:18:15		53.0	53.0
53.6	12:18:16		53.6	53.6
54.5	12:18:17		54.5	54.5
54.7	12:18:18		54.7	54.7
54.5	12:18:19		54.5	54.5
54.1	12:18:20		54.1	54.1
55.0	12:18:21		55.0	55.0
55.7	12:18:22		55.7	55.7
55.7	12:18:23		55.7	55.7
56.1	12:18:24		56.1	56.1
57.2	12:18:25		57.2	57.2
57.3	12:18:26		57.3	57.3
57.8	12:18:27		57.8	57.8
59.4	12:18:28		59.4	59.4
58.9	12:18:29		58.9	58.9
57.4	12:18:30		57.4	57.4
56.9	12:18:31		56.9	56.9
56.3	12:18:32		56.3	56.3
55.2	12:18:33		55.2	55.2
54.8	12:18:34		54.8	54.8
54.9	12:18:35		54.9	54.9
54.6	12:18:36		54.6	54.6
54.1	12:18:37		54.1	54.1
53.9	12:18:38		53.9	53.9
53.6	12:18:39		53.6	53.6
53.5	12:18:40		53.5	53.5
53.4	12:18:41		53.4	53.4
53.3	12:18:42		53.3	53.3
52.9	12:18:43		52.9	52.9
52.8	12:18:44		52.8	52.8
52.7	12:18:45		52.7	52.7
52.5	12:18:46		52.5	52.5
52.3	12:18:47		52.3	52.3
52.2	12:18:48		52.2	52.2
52.1	12:18:49		52.1	52.1
51.9	12:18:50		51.9	51.9
52.0	12:18:51		52.0	52.0
51.9	12:18:52		51.9	51.9
51.9	12:18:53		51.9	51.9
51.9	12:18:54		51.9	51.9
52.0	12:18:55		52.0	52.0
51.9	12:18:56		51.9	51.9
51.8	12:18:57		51.8	51.8
51.7	12:18:58		51.7	51.7
51.7	12:18:59		51.7	51.7
51.8	12:19:00		51.8	51.8
51.8	12:19:01		51.8	51.8
51.8	12:19:02		51.8	51.8
51.9	12:19:03		51.9	51.9
52.1	12:19:04		52.1	52.1
52.4	12:19:05		52.4	52.4
52.6	12:19:06		52.6	52.6
52.7	12:19:07		52.7	52.7
52.5	12:19:08		52.5	52.5
52.3	12:19:09		52.3	52.3
52.2	12:19:10		52.2	52.2
52.1	12:19:11		52.1	52.1
52.3	12:19:12		52.3	52.3
52.3	12:19:13		52.3	52.3
52.0	12:19:14		52.0	52.0
51.8	12:19:15		51.8	51.8
51.7	12:19:16		51.7	51.7
51.6	12:19:17		51.6	51.6
51.6	12:19:18		51.6	51.6
51.7	12:19:19		51.7	51.7
51.9	12:19:20		51.9	51.9
52.0	12:19:21		52.0	52.0
51.9	12:19:22		51.9	51.9
51.9	12:19:23		51.9	51.9
51.9	12:19:24		51.9	51.9
51.9	12:19:25		51.9	51.9
51.8	12:19:26		51.8	51.8
51.8	12:19:27		51.8	51.8
52.2	12:19:28		52.2	52.2
52.2	12:19:29		52.2	52.2
52.1	12:19:30		52.1	52.1
51.9	12:19:31		51.9	51.9
51.9	12:19:32		51.9	51.9
52.0	12:19:33		52.0	52.0
52.1	12:19:34		52.1	52.1
52.4	12:19:35		52.4	52.4
52.7	12:19:36		52.7	52.7
52.9	12:19:37		52.9	52.9
52.8	12:19:38		52.8	52.8
52.8	12:19:39		52.8	52.8
52.7	12:19:40		52.7	52.7
52.8	12:19:41		52.8	52.8
52.7	12:19:42		52.7	52.7
52.5	12:19:43		52.5	52.5
52.3	12:19:44		52.3	52.3
52.3	12:19:45		52.3	52.3
52.5	12:19:46		52.5	52.5
52.4	12:19:47		52.4	52.4
52.4	12:19:48		52.4	52.4
52.3	12:19:49		52.3	52.3
52.1	12:19:50		52.1	52.1
52.1	12:19:51		52.1	52.1
52.1	12:19:52		52.1	52.1
52.3	12:19:53		52.3	52.3
52.3	12:19:54		52.3	52.3
52.2	12:19:55		52.2	52.2
52.2	12:19:56		52.2	52.2
52.1	12:19:57		52.1	52.1
52.2	12:19:58		52.2	52.2
52.2	12:19:59		52.2	52.2
52.1	12:20:00		52.1	52.1
52.4	12:20:01		52.4	52.4
52.2	12:20:02		52.2	52.2
52.2	12:20:03		52.2	52.2
52.2	12:20:04		52.2	52.2
52.3	12:20:05		52.3	52.3
52.6	12:20:06		52.6	52.6
52.6	12:20:07		52.6	52.6
52.3	12:20:08		52.3	52.3
52.2	12:20:09		52.2	52.2
52.0	12:20:10		52.0	52.0
52.0	12:20:11		52.0	52.0
51.9	12:20:12		51.9	51.9
52.0	12:20:13		52.0	52.0
52.2	12:20:14		52.2	52.2
52.0	12:20:15		52.0	52.0
52.0	12:20:16		52.0	52.0
51.9	12:20:17		51.9	51.9

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
53.4	12:22:41		53.4	53.4
53.1	12:22:42		53.1	53.1
52.8	12:22:43		52.8	52.8
52.7	12:22:44		52.7	52.7
52.8	12:22:45		52.8	52.8
52.9	12:22:46		52.9	52.9
53.0	12:22:47		53.0	53.0
53.0	12:22:48		53.0	53.0
53.3	12:22:49		53.3	53.3
53.5	12:22:50		53.5	53.5
53.7	12:22:51		53.7	53.7
53.7	12:22:52		53.7	53.7
53.9	12:22:53		53.9	53.9
53.8	12:22:54		53.8	53.8
53.7	12:22:55		53.7	53.7
53.8	12:22:56		53.8	53.8
53.5	12:22:57		53.5	53.5
53.6	12:22:58		53.6	53.6
53.6	12:22:59		53.6	53.6
53.5	12:23:00		53.5	53.5
53.8	12:23:01		53.8	53.8
54.2	12:23:02		54.2	54.2
54.6	12:23:03		54.6	54.6
54.9	12:23:04		54.9	54.9
55.2	12:23:05		55.2	55.2
55.0	12:23:06		55.0	55.0
54.6	12:23:07		54.6	54.6
54.0	12:23:08		54.0	54.0
53.6	12:23:09		53.6	53.6
53.6	12:23:10		53.6	53.6
53.8	12:23:11		53.8	53.8
54.5	12:23:12		54.5	54.5
54.2	12:23:13		54.2	54.2
53.9	12:23:14		53.9	53.9
54.1	12:23:15		54.1	54.1
55.2	12:23:16		55.2	55.2
54.9	12:23:17		54.9	54.9
54.0	12:23:18		54.0	54.0
53.8	12:23:19		53.8	53.8
53.5	12:23:20		53.5	53.5
53.2	12:23:21		53.2	53.2
53.1	12:23:22		53.1	53.1
53.3	12:23:23		53.3	53.3
53.7	12:23:24		53.7	53.7
54.2	12:23:25		54.2	54.2
54.3	12:23:26		54.3	54.3
53.9	12:23:27		53.9	53.9
53.4	12:23:28		53.4	53.4
53.1	12:23:29		53.1	53.1
52.9	12:23:30		52.9	52.9
52.7	12:23:31		52.7	52.7
52.9	12:23:32		52.9	52.9
53.1	12:23:33		53.1	53.1
53.5	12:23:34		53.5	53.5
53.8	12:23:35		53.8	53.8
53.9	12:23:36		53.9	53.9
53.8	12:23:37		53.8	53.8
53.8	12:23:38		53.8	53.8
53.6	12:23:39		53.6	53.6
53.9	12:23:40		53.9	53.9
53.7	12:23:41		53.7	53.7
53.4	12:23:42		53.4	53.4
53.5	12:23:43		53.5	53.5
54.0	12:23:44		54.0	54.0
54.3	12:23:45		54.3	54.3
54.5	12:23:46		54.5	54.5
55.5	12:23:47		55.5	55.5
56.2	12:23:48		56.2	56.2
57.0	12:23:49		57.0	57.0
57.1	12:23:50		57.1	57.1
56.9	12:23:51		56.9	56.9
57.1	12:23:52		57.1	57.1
57.9	12:23:53		57.9	57.9
58.2	12:23:54		58.2	58.2
58.3	12:23:55		58.3	58.3
58.7	12:23:56		58.7	58.7
57.8	12:23:57		57.8	57.8
56.7	12:23:58		56.7	56.7
55.7	12:23:59		55.7	55.7
55.7	12:24:00		55.7	55.7
56.1	12:24:01		56.1	56.1
57.6	12:24:02		57.6	57.6
56.8	12:24:03		56.8	56.8
56.0	12:24:04		56.0	56.0
55.5	12:24:05		55.5	55.5
54.9	12:24:06		54.9	54.9
54.9	12:24:07		54.9	54.9
54.6	12:24:08		54.6	54.6
53.9	12:24:09		53.9	53.9
53.5	12:24:10		53.5	53.5
53.7	12:24:11		53.7	53.7
55.8	12:24:12		55.8	55.8
56.1	12:24:13		56.1	56.1
54.5	12:24:14		54.5	54.5
53.5	12:24:15		53.5	53.5
53.3	12:24:16		53.3	53.3
52.9	12:24:17		52.9	52.9
52.6	12:24:18		52.6	52.6
52.3	12:24:19		52.3	52.3
52.3	12:24:20		52.3	52.3
52.2	12:24:21		52.2	52.2
52.4	12:24:22		52.4	52.4
52.2	12:24:23		52.2	52.2
52.2	12:24:24		52.2	52.2
52.3	12:24:25		52.3	52.3
52.4	12:24:26		52.4	52.4
52.6	12:24:27		52.6	52.6
53.5	12:24:28		53.5	53.5
53.7	12:24:29		53.7	53.7
52.8	12:24:30		52.8	52.8
52.4	12:24:31		52.4	52.4
52.2	12:24:32		52.2	52.2
52.1	12:24:33		52.1	52.1
52.2	12:24:34		52.2	52.2
52.4	12:24:35		52.4	52.4
52.5	12:24:36		52.5	52.5
52.5	12:24:37		52.5	52.5
52.5	12:24:38		52.5	52.5
52.5	12:24:39		52.5	52.5
52.4	12:24:40		52.4	52.4
52.4	12:24:41		52.4	52.4
52.5	12:24:42		52.5	52.5
52.4	12:24:43		52.4	52.4
52.5	12:24:44		52.5	52.5
52.4	12:24:45		52.4	52.4
52.3	12:24:46		52.3	52.3
52.2	12:24:47		52.2	52.2
52.3	12:24:48		52.3	52.3
52.2	12:24:49		52.2	52.2
52.2	12:24:50		52.2	52.2
52.2	12:24:51		52.2	52.2
52.0	12:24:52		52.0	52.0
51.9	12:24:53		51.9	51.9
52.0	12:24:54		52.0	52.0
52.1	12:24:55		52.1	52.1
52.1	12:24:56		52.1	52.1
52.0	12:24:57		52.0	52.0
51.9	12:24:58		51.9	51.9
52.2	12:24:59		52.2	52.2
52.3	12:25:00		52.3	52.3
52.2	12:25:01		52.2	52.2
52.2	12:25:02		52.2	52.2
52.2	12:25:03		52.2	52.2
52.2	12:25:04		52.2	52.2
52.2	12:25:05		52.2	52.2
52.3	12:25:06		52.3	52.3
52.5	12:25:07		52.5	52.5
52.4	12:25:08		52.4	52.4
52.3	12:25:09		52.3	52.3
52.3	12:25:10		52.3	52.3
52.2	12:25:11		52.2	52.2
52.2	12:25:12		52.2	52.2
52.1	12:25:13		52.1	52.1
52.2	12:25:14		52.2	52.2

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
54.1	12:12:53		54.1	54.1
53.5	12:12:54		53.5	53.5
53.9	12:12:55		53.9	53.9
56.5	12:12:56		56.5	56.5
58.1	12:12:57		58.1	58.1
59.5	12:12:58		59.5	59.5
59.0	12:12:59		59.0	59.0
59.0	12:13:00		59.0	59.0
57.0	12:13:01		57.0	57.0
55.4	12:13:02		55.4	55.4
55.2	12:13:03		55.2	55.2
55.7	12:13:04		55.7	55.7
55.5	12:13:05		55.5	55.5
56.1	12:13:06		56.1	56.1
56.4	12:13:07		56.4	56.4
56.1	12:13:08		56.1	56.1
56.2	12:13:09		56.2	56.2
55.8	12:13:10		55.8	55.8
55.1	12:13:11		55.1	55.1
55.6	12:13:12		55.6	55.6
56.7	12:13:13		56.7	56.7
57.4	12:13:14		57.4	57.4
59.8	12:13:15		59.8	59.8
59.4	12:13:16		59.4	59.4
58.7	12:13:17		58.7	58.7
57.9	12:13:18		57.9	57.9
56.6	12:13:19		56.6	56.6
55.4	12:13:20		55.4	55.4
54.4	12:13:21		54.4	54.4
54.4	12:13:22		54.4	54.4
55.4	12:13:23		55.4	55.4
57.9	12:13:24		57.9	57.9
58.5	12:13:25		58.5	58.5
59.9	12:13:26		59.9	59.9
58.6	12:13:27		58.6	58.6
56.7	12:13:28		56.7	56.7
56.0	12:13:29		56.0	56.0
55.9	12:13:30		55.9	55.9
57.3	12:13:31		57.3	57.3
59.2	12:13:32		59.2	59.2
61.5	12:13:33		61.5	61.5
61.1	12:13:34		61.1	61.1
61.2	12:13:35		61.2	61.2
59.6	12:13:36		59.6	59.6
58.1	12:13:37		58.1	58.1
57.7	12:13:38		57.7	57.7
57.8	12:13:39		57.8	57.8
58.2	12:13:40		58.2	58.2
58.4	12:13:41		58.4	58.4
58.3	12:13:42		58.3	58.3
58.5	12:13:43		58.5	58.5
58.8	12:13:44		58.8	58.8
59.2	12:13:45		59.2	59.2
58.5	12:13:46		58.5	58.5
57.6	12:13:47		57.6	57.6
56.4	12:13:48		56.4	56.4
55.2	12:13:49		55.2	55.2
54.2	12:13:50		54.2	54.2
53.6	12:13:51		53.6	53.6
53.6	12:13:52		53.6	53.6
53.5	12:13:53		53.5	53.5
53.1	12:13:54		53.1	53.1
52.8	12:13:55		52.8	52.8
53.6	12:13:56		53.6	53.6
53.4	12:13:57		53.4	53.4
53.2	12:13:58		53.2	53.2
53.5	12:13:59		53.5	53.5
54.1	12:14:00		54.1	54.1
54.3	12:14:01		54.3	54.3
54.8	12:14:02		54.8	54.8
55.5	12:14:03		55.5	55.5
56.1	12:14:04		56.1	56.1
56.5	12:14:05		56.5	56.5
56.8	12:14:06		56.8	56.8
56.7	12:14:07		56.7	56.7
56.5	12:14:08		56.5	56.5
56.0	12:14:09		56.0	56.0
55.7	12:14:10		55.7	55.7
55.2	12:14:11		55.2	55.2
54.6	12:14:12		54.6	54.6
54.3	12:14:13		54.3	54.3
54.0	12:14:14		54.0	54.0
53.7	12:14:15		53.7	53.7
53.6	12:14:16		53.6	53.6
54.2	12:14:17		54.2	54.2
54.3	12:14:18		54.3	54.3
54.5	12:14:19		54.5	54.5
53.9	12:14:20		53.9	53.9
53.1	12:14:21		53.1	53.1
52.3	12:14:22		52.3	52.3
52.4	12:14:23		52.4	52.4
54.2	12:14:24		54.2	54.2
54.8	12:14:25		54.8	54.8
54.9	12:14:26		54.9	54.9
56.2	12:14:27		56.2	56.2
56.3	12:14:28		56.3	56.3
55.5	12:14:29		55.5	55.5
54.3	12:14:30		54.3	54.3
53.4	12:14:31		53.4	53.4
52.7	12:14:32		52.7	52.7
52.2	12:14:33		52.2	52.2
52.0	12:14:34		52.0	52.0
51.7	12:14:35		51.7	51.7
51.5	12:14:36		51.5	51.5
51.6	12:14:37		51.6	51.6
51.7	12:14:38		51.7	51.7
51.6	12:14:39		51.6	51.6
51.2	12:14:40		51.2	51.2
51.1	12:14:41		51.1	51.1
51.2	12:14:42		51.2	51.2
51.4	12:14:43		51.4	51.4
51.6	12:14:44		51.6	51.6
51.9	12:14:45		51.9	51.9
52.2	12:14:46		52.2	52.2
53.2	12:14:47		53.2	53.2
54.1	12:14:48		54.1	54.1
54.9	12:14:49		54.9	54.9
55.5	12:14:50		55.5	55.5
57.2	12:14:51		57.2	57.2
59.2	12:14:52		59.2	59.2
60.4	12:14:53		60.4	60.4
60.3	12:14:54		60.3	60.3
60.1	12:14:55		60.1	60.1
58.7	12:14:56		58.7	58.7
57.6	12:14:57		57.6	57.6
56.4	12:14:58		56.4	56.4
57.5	12:14:59		57.5	57.5
58.7	12:15:00		58.7	58.7
60.7	12:15:01		60.7	60.7
59.9	12:15:02		59.9	59.9
59.1	12:15:03		59.1	59.1
57.8	12:15:04		57.8	57.8
56.4	12:15:05		56.4	56.4
55.4	12:15:06		55.4	55.4
55.1	12:15:07		55.1	55.1
54.6	12:15:08		54.6	54.6
54.4	12:15:09		54.4	54.4
54.2	12:15:10		54.2	54.2
53.6	12:15:11		53.6	53.6
52.5	12:15:12		52.5	52.5
51.8	12:15:13		51.8	51.8
51.4	12:15:14		51.4	51.4
51.6	12:15:15		51.6	51.6
51.9	12:15:16		51.9	51.9
52.2	12:15:17		52.2	52.2
52.6	12:15:18		52.6	52.6
53.4	12:15:19		53.4	53.4
56.1	12:15:20		56.1	56.1
58.6	12:15:21		58.6	58.6
63.5	12:15:22		63.5	63.5
64.1	12:15:23		64.1	64.1
63.0	12:15:24		63.0	63.0
62.0	12:15:25		62.0	62.0
59.8	12:15:26		59.8	59.8

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
51.9	12:20:18		51.9	51.9
51.9	12:20:19		51.9	51.9
51.9	12:20:20		51.9	51.9
51.9	12:20:21		51.9	51.9
51.9	12:20:22		51.9	51.9
51.8	12:20:23		51.8	51.8
51.9	12:20:24		51.9	51.9
51.9	12:20:25		51.9	51.9
52.0	12:20:26		52.0	52.0
52.3	12:20:27		52.3	52.3
52.5	12:20:28		52.5	52.5
52.6	12:20:29		52.6	52.6
52.4	12:20:30		52.4	52.4
52.4	12:20:31		52.4	52.4
52.3	12:20:32		52.3	52.3
52.1	12:20:33		52.1	52.1
52.2	12:20:34		52.2	52.2
52.2	12:20:35		52.2	52.2
52.3	12:20:36		52.3	52.3
52.3	12:20:37		52.3	52.3
52.4	12:20:38		52.4	52.4
52.3	12:20:39		52.3	52.3
52.5	12:20:40		52.5	52.5
52.3	12:20:41		52.3	52.3
52.0	12:20:42		52.0	52.0
51.8	12:20:43		51.8	51.8
51.9	12:20:44		51.9	51.9
52.0	12:20:45		52.0	52.0
52.1	12:20:46		52.1	52.1
52.0	12:20:47		52.0	52.0
51.8	12:20:48		51.8	51.8
51.9	12:20:49		51.9	51.9
52.0	12:20:50		52.0	52.0
52.4	12:20:51		52.4	52.4
52.5	12:20:52		52.5	52.5
52.4	12:20:53		52.4	52.4
52.2	12:20:54		52.2	52.2
52.2	12:20:55		52.2	52.2
51.9	12:20:56		51.9	51.9
51.7	12:20:57		51.7	51.7
51.5	12:20:58		51.5	51.5
51.4	12:20:59		51.4	51.4
51.5	12:21:00		51.5	51.5
51.5	12:21:01		51.5	51.5
51.6	12:21:02		51.6	51.6
51.8	12:21:03		51.8	51.8
52.0	12:21:04		52.0	52.0
52.0	12:21:05		52.0	52.0
52.1	12:21:06		52.1	52.1
52.1	12:21:07		52.1	52.1
52.1	12:21:08		52.1	52.1
51.9	12:21:09		51.9	51.9
51.9	12:21:10		51.9	51.9
51.7	12:21:11		51.7	51.7
51.6	12:21:12		51.6	51.6
51.7	12:21:13		51.7	51.7
51.9	12:21:14		51.9	51.9
51.8	12:21:15		51.8	51.8
51.9	12:21:16		51.9	51.9
52.0	12:21:17		52.0	52.0
52.0	12:21:18		52.0	52.0
51.9	12:21:19		51.9	51.9
51.8	12:21:20		51.8	51.8
52.0	12:21:21		52.0	52.0
52.3	12:21:22		52.3	52.3
52.4	12:21:23		52.4	52.4
52.7	12:21:24		52.7	52.7
52.8	12:21:25		52.8	52.8
52.7	12:21:26		52.7	52.7
52.7	12:21:27		52.7	52.7
52.9	12:21:28		52.9	52.9
52.7	12:21:29		52.7	52.7
52.9	12:21:30		52.9	52.9
53.1	12:21:31		53.1	53.1
53.6	12:21:32		53.6	53.6
54.4	12:21:33		54.4	54.4
53.9	12:21:34		53.9	53.9
53.2	12:21:35		53.2	53.2
52.7	12:21:36		52.7	52.7
52.4	12:21:37		52.4	52.4
52.1	12:21:38		52.1	52.1
52.1	12:21:39		52.1	52.1
52.0	12:21:40		52.0	52.0
52.0	12:21:41		52.0	52.0
52.0	12:21:42		52.0	52.0
51.9	12:21:43		51.9	51.9
51.9	12:21:44		51.9	51.9
51.9	12:21:45		51.9	51.9
52.1	12:21:46		52.1	52.1
52.7	12:21:47		52.7	52.7
52.9	12:21:48		52.9	52.9
52.4	12:21:49		52.4	52.4
52.3	12:21:50		52.3	52.3
52.3	12:21:51		52.3	52.3
52.6	12:21:52		52.6	52.6
52.8	12:21:53		52.8	52.8
52.8	12:21:54		52.8	52.8
53.0	12:21:55		53.0	53.0
53.4	12:21:56		53.4	53.4
53.4	12:21:57		53.4	53.4
53.2	12:21:58		53.2	53.2
53.0	12:21:59		53.0	53.0
52.8	12:22:00		52.8	52.8
52.9	12:22:01		52.9	52.9
53.0	12:22:02		53.0	53.0
52.9	12:22:03		52.9	52.9
52.8	12:22:04		52.8	52.8
52.8	12:22:05		52.8	52.8
52.6	12:22:06		52.6	52.6
52.6	12:22:07		52.6	52.6
52.6	12:22:08		52.6	52.6
52.6	12:22:09		52.6	52.6
52.3	12:22:10		52.3	52.3
52.1	12:22:11		52.1	52.1
52.1	12:22:12		52.1	52.1
52.2	12:22:13		52.2	52.2
52.2	12:22:14		52.2	52.2
52.1	12:22:15		52.1	52.1
52.4	12:22:16		52.4	52.4
52.2	12:22:17		52.2	52.2
52.3	12:22:18		52.3	52.3
52.2	12:22:19		52.2	52.2
52.3	12:22:20		52.3	52.3
52.4	12:22:21		52.4	52.4
52.5	12:22:22		52.5	52.5
52.3	12:22:23		52.3	52.3
52.3	12:22:24		52.3	52.3
52.4	12:22:25		52.4	52.4
52.3	12:22:26		52.3	52.3
52.2	12:22:27		52.2	52.2
52.1	12:22:28		52.1	52.1
52.4	12:22:29		52.4	52.4
52.3	12:22:30		52.3	52.3
52.3	12:22:31		52.3	52.3
52.7	12:22:32		52.7	52.7
52.9	12:22:33		52.9	52.9
53.0	12:22:34		53.0	53.0
53.0	12:22:35		53.0	53.0
52.7	12:22:36		52.7	52.7
52.4	12:22:37		52.4	52.4
52.3	12:22:38		52.3	52.3
52.3	12:22:39		52.3	52.3
52.3	12:22:40		52.3	52.3
52.4	12:22:41		52.4	52.4
52.7	12:22:42		52.7	52.7
52.7	12:22:43		52.7	52.7
52.5	12:22:44		52.5	52.5
52.3	12:22:45		52.3	52.3
52.3	12:22:46		52.3	52.3
52.3	12:22:47		52.3	52.3
52.3	12:22:48		52.3	52.3
52.4	12:22:49		52.4	52.4
52.5	12:22:50		52.5	52.5
52.6	12:22:51		52.6	52.6

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.3	12:25:15		52.3	52.3
52.2	12:25:16		52.2	52.2
52.0	12:25:17		52.0	52.0
51.9	12:25:18		51.9	51.9
51.8	12:25:19		51.8	51.8
51.7	12:25:20		51.7	51.7
52.0	12:25:21		52.0	52.0
51.9	12:25:22		51.9	51.9
51.9	12:25:23		51.9	51.9
52.0	12:25:24		52.0	52.0
51.9	12:25:25		51.9	51.9
51.8	12:25:26		51.8	51.8
51.8	12:25:27		51.8	51.8
51.7	12:25:28		51.7	51.7
51.6	12:25:29		51.6	51.6
51.7	12:25:30		51.7	51.7
51.8	12:25:31		51.8	51.8
51.8	12:25:32		51.8	51.8
51.8	12:25:33		51.8	51.8
51.9	12:25:34		51.9	51.9
52.1	12:25:35		52.1	52.1
52.2	12:25:36		52.2	52.2
52.1	12:25:37		52.1	52.1
52.1	12:25:38		52.1	52.1
52.3	12:25:39		52.3	52.3
52.4	12:25:40		52.4	52.4
52.2	12:25:41		52.2	52.2
52.2	12:25:42		52.2	52.2
52.3	12:25:43		52.3	52.3
52.4	12:25:44		52.4	52.4
52.3	12:25:45		52.3	52.3
52.1	12:25:46		52.1	52.1
52.1	12:25:47		52.1	52.1
52.1	12:25:48		52.1	52.1
52.1	12:25:49		52.1	52.1
52.2	12:25:50		52.2	52.2
52.2	12:25:51		52.2	52.2
52.2	12:25:52		52.2	52.2
52.3	12:25:53		52.3	52.3
52.7	12:25:54		52.7	52.7
52.9	12:25:55		52.9	52.9
53.1	12:25:56		53.1	53.1
53.3	12:25:57		53.3	53.3
53.4	12:25:58		53.4	53.4
53.4	12:25:59		53.4	53.4
53.6	12:26:00		53.6	53.6
53.8	12:26:01		53.8	53.8
53.9	12:26:02		53.9	53.9
54.3	12:26:03		54.3	54.3
54.3	12:26:04		54.3	54.3
54.2	12:26:05		54.2	54.2
54.2	12:26:06		54.2	54.2
54.3	12:26:07		54.3	54.3
54.2	12:26:08		54.2	54.2
54.2	12:26:09		54.2	54.2
54.4	12:26:10		54.4	54.4
55.2	12:26:11		55.2	55.2
55.1	12:26:12		55.1	55.1
54.3	12:26:13		54.3	54.3
53.9	12:26:14		53.9	53.9
54.0	12:26:15		54.0	54.0
54.0	12:26:16		54.0	54.0
54.0	12:26:17		54.0	54.0
54.2	12:26:18		54.2	54.2
53.8	12:26:19		53.8	53.8
53.4	12:26:20		53.4	53.4
53.5	12:26:21		53.5	53.5
53.4	12:26:22		53.4	53.4
53.5	12:26:23		53.5	53.5
53.5	12:26:24		53.5	53.5
53.7	12:26:25		53.7	53.7
53.8	12:26:26		53.8	53.8
53.7	12:26:27		53.7	53.7
53.4	12:26:28		53.4	53.4
53.4	12:26:29		53.4	53.4
53.7	12:26:30		53.7	53.7
53.4	12:26:31		53.4	53.4
53.0	12:26:32		53.0	53.0
52.7	12:26:33		52.7	52.7
52.5	12:26:34		52.5	52.5
52.5	12:26:35		52.5	52.5
52.4	12:26:36		52.4	52.4
52.4	12:26:37		52.4	52.4
52.8	12:26:38		52.8	52.8
52.6	12:26:39		52.6	52.6
52.1	12:26:40		52.1	52.1
52.0	12:26:41		52.0	52.0
51.9	12:26:42		51.9	51.9
51.9	12:26:43		51.9	51.9
52.2	12:26:44		52.2	52.2
52.8	12:26:45		52.8	52.8
53.0	12:26:46		53.0	53.0
53.4	12:26:47		53.4	53.4
53.1	12:26:48		53.1	53.1
53.1	12:26:49		53.1	53.1
53.0	12:26:50		53.0	53.0
53.0	12:26:51		53.0	53.0
53.1	12:26:52		53.1	53.1
53.5	12:26:53		53.5	53.5
54.0	12:26:54		54.0	54.0
53.9	12:26:55		53.9	53.9
54.1	12:26:56		54.1	54.1
54.4	12:26:57		54.4	54.4
54.6	12:26:58		54.6	54.6
54.5	12:26:59		54.5	54.5
53.9	12:27:00		53.9	53.9
53.2	12:27:01		53.2	53.2
52.8	12:27:02		52.8	52.8
52.7	12:27:03		52.7	52.7
52.6	12:27:04		52.6	52.6
52.5	12:27:05		52.5	52.5
52.5	12:27:06		52.5	52.5
52.8	12:27:07		52.8	52.8
52.8	12:27:08		52.8	52.8
52.8	12:27:09		52.8	52.8
53.7	12:27:10		53.7	53.7
54.1	12:27:11		54.1	54.1
53.6	12:27:12		53.6	53.6
53.2	12:27:13		53.2	53.2
53.2	12:27:14		53.2	53.2
53.3	12:27:15		53.3	53.3
54.5	12:27:16		54.5	54.5
54.7	12:27:17		54.7	54.7
54.3	12:27:18		54.3	54.3
54.2	12:27:19		54.2	54.2
54.8	12:27:20		54.8	54.8
54.6	12:27:21		54.6	54.6
54.5	12:27:22		54.5	54.5
54.6	12:27:23		54.6	54.6
54.9	12:27:24		54.9	54.9
54.5	12:27:25		54.5	54.5
54.0	12:27:26		54.0	54.0
54.0	12:27:27		54.0	54.0
54.3	12:27:28		54.3	54.3
55.3	12:27:29		55.3	55.3
56.8	12:27:30		56.8	56.8
56.6	12:27:31		56.6	56.6
57.4	12:27:32		57.4	57.4
58.8	12:27:33		58.8	58.8
58.0	12:27:34		58.0	58.0
57.6	12:27:35		57.6	57.6
57.6	12:27:36		57.6	57.6
57.3	12:27:37		57.3	57.3
57.4	12:27:38		57.4	57.4
57.8	12:27:39		57.8	57.8
57.1	12:27:40		57.1	57.1
56.5	12:27:41		56.5	56.5
54.8	12:27:42		54.8	54.8
54.5	12:27:43		54.5	54.5
55.0	12:27:44		55.0	55.0
54.6	12:27:45		54.6	54.6
53.8	12:27:46		53.8	53.8
53.4	12:27:47		53.4	53.4
53.0	12:27:48		53.0	53.0

Site 1 - Near Northwest Corner of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.0	12:15:27		58.0	58.0
59.9	12:15:28		59.9	59.9
63.5	12:15:29		63.5	63.5
66.7	12:15:30		66.7	66.7
68.3	12:15:31		68.3	68.3
67.4	12:15:32		67.4	67.4
65.5	12:15:33		65.5	65.5
62.4	12:15:34		62.4	62.4
59.1	12:15:35		59.1	59.1
56.8	12:15:36		56.8	56.8
55.4	12:15:37		55.4	55.4
55.1	12:15:38		55.1	55.1
55.5	12:15:39		55.5	55.5
56.3	12:15:40		56.3	56.3
60.9	12:15:41		60.9	60.9
64.7	12:15:42		64.7	64.7
64.3	12:15:43		64.3	64.3
64.0	12:15:44		64.0	64.0
61.7	12:15:45		61.7	61.7
59.6	12:15:46		59.6	59.6
57.6	12:15:47		57.6	57.6
57.4	12:15:48		57.4	57.4
58.1	12:15:49		58.1	58.1
60.8	12:15:50		60.8	60.8
60.6	12:15:51		60.6	60.6
61.0	12:15:52		61.0	61.0
61.4	12:15:53		61.4	61.4
62.4	12:15:54		62.4	62.4
61.4	12:15:55		61.4	61.4
60.7	12:15:56		60.7	60.7
58.9	12:15:57		58.9	58.9
57.2	12:15:58		57.2	57.2
55.7	12:15:59		55.7	55.7
54.4	12:16:00		54.4	54.4
53.6	12:16:01		53.6	53.6
54.3	12:16:02		54.3	54.3
53.4	12:16:03		53.4	53.4
53.0	12:16:04		53.0	53.0
53.6	12:16:05		53.6	53.6
53.0	12:16:06		53.0	53.0
52.7	12:16:07		52.7	52.7
52.7	12:16:08		52.7	52.7
52.9	12:16:09		52.9	52.9
53.1	12:16:10		53.1	53.1
53.4	12:16:11		53.4	53.4
53.8	12:16:12		53.8	53.8
54.1	12:16:13		54.1	54.1
54.5	12:16:14		54.5	54.5
54.9	12:16:15		54.9	54.9
56.0	12:16:16		56.0	56.0
57.6	12:16:17		57.6	57.6
58.8	12:16:18		58.8	58.8
61.0	12:16:19		61.0	61.0
61.4	12:16:20		61.4	61.4
60.8	12:16:21		60.8	60.8
60.7	12:16:22		60.7	60.7
59.2	12:16:23		59.2	59.2
57.4	12:16:24		57.4	57.4
56.6	12:16:25		56.6	56.6
56.9	12:16:26		56.9	56.9
58.3	12:16:27		58.3	58.3
59.8	12:16:28		59.8	59.8
59.0	12:16:29		59.0	59.0
58.8	12:16:30		58.8	58.8
57.1	12:16:31		57.1	57.1
55.5	12:16:32		55.5	55.5
54.6	12:16:33		54.6	54.6
54.0	12:16:34		54.0	54.0
53.8	12:16:35		53.8	53.8
53.9	12:16:36		53.9	53.9
55.6	12:16:37		55.6	55.6
57.3	12:16:38		57.3	57.3
60.3	12:16:39		60.3	60.3
60.2	12:16:40		60.2	60.2
61.4	12:16:41		61.4	61.4
60.5	12:16:42		60.5	60.5
58.7	12:16:43		58.7	58.7
56.6	12:16:44		56.6	56.6
54.9	12:16:45		54.9	54.9
54.0	12:16:46		54.0	54.0
53.8	12:16:47		53.8	53.8
53.9	12:16:48		53.9	53.9
54.2	12:16:49		54.2	54.2
55.2	12:16:50		55.2	55.2
56.4	12:16:51		56.4	56.4
56.5	12:16:52		56.5	56.5
56.9	12:16:53		56.9	56.9
57.4	12:16:54		57.4	57.4
57.8	12:16:55		57.8	57.8
57.5	12:16:56		57.5	57.5
57.2	12:16:57		57.2	57.2
57.5	12:16:58		57.5	57.5
57.9	12:16:59		57.9	57.9
57.9	12:17:00		57.9	57.9
57.8	12:17:01		57.8	57.8
58.1	12:17:02		58.1	58.1
58.6	12:17:03		58.6	58.6
59.2	12:17:04		59.2	59.2
58.7	12:17:05		58.7	58.7
58.5	12:17:06		58.5	58.5
57.8	12:17:07		57.8	57.8
56.9	12:17:08		56.9	56.9
55.5	12:17:09		55.5	55.5
54.0	12:17:10		54.0	54.0
53.4	12:17:11		53.4	53.4
53.0	12:17:12		53.0	53.0
52.5	12:17:13		52.5	52.5
52.2	12:17:14		52.2	52.2
51.8	12:17:15		51.8	51.8
51.6	12:17:16		51.6	51.6
51.5	12:17:17		51.5	51.5
51.3	12:17:18		51.3	51.3
51.6	12:17:19		51.6	51.6
51.5	12:17:20		51.5	51.5
51.5	12:17:21		51.5	51.5
51.5	12:17:22		51.5	51.5
51.4	12:17:23		51.4	51.4
51.6	12:17:24		51.6	51.6
51.7	12:17:25		51.7	51.7
51.8	12:17:26		51.8	51.8
51.9	12:17:27		51.9	51.9
52.1	12:17:28		52.1	52.1
52.4	12:17:29		52.4	52.4
52.5	12:17:30		52.5	52.5
52.7	12:17:31		52.7	52.7
53.2	12:17:32		53.2	53.2
53.5	12:17:33		53.5	53.5
53.4	12:17:34		53.4	53.4
53.4	12:17:35		53.4	53.4
53.9	12:17:36		53.9	53.9
54.7	12:17:37		54.7	54.7
54.9	12:17:38		54.9	54.9
54.9	12:17:39		54.9	54.9
54.7	12:17:40		54.7	54.7
54.4	12:17:41		54.4	54.4
54.4	12:17:42		54.4	54.4
54.9	12:17:43		54.9	54.9
55.7	12:17:44		55.7	55.7
57.0	12:17:45		57.0	57.0
58.1	12:17:46		58.1	58.1
58.3	12:17:47		58.3	58.3
57.2	12:17:48		57.2	57.2
56.4	12:17:49		56.4	56.4
55.7	12:17:50		55.7	55.7
55.4	12:17:51		55.4	55.4
55.3	12:17:52		55.3	55.3
54.8	12:17:53		54.8	54.8
54.8	12:17:54		54.8	54.8
55.1	12:17:55		55.1	55.1
55.6	12:17:56		55.6	55.6
58.1	12:17:57		58.1	58.1
60.5	12:17:58		60.5	60.5
62.9	12:17:59		62.9	62.9
63.2	12:18:00		63.2	63.2

Site 2 - On East Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.7	12:22:52		52.7	52.7
52.8	12:22:53		52.8	52.8
53.1	12:22:54		53.1	53.1
53.5	12:22:55		53.5	53.5
53.4	12:22:56		53.4	53.4
53.2	12:22:57		53.2	53.2
53.1	12:22:58		53.1	53.1
53.2	12:22:59		53.2	53.2
53.2	12:23:00		53.2	53.2
53.0	12:23:01		53.0	53.0
52.9	12:23:02		52.9	52.9
53.2	12:23:03		53.2	53.2
53.4	12:23:04		53.4	53.4
53.5	12:23:05		53.5	53.5
53.8	12:23:06		53.8	53.8
53.8	12:23:07		53.8	53.8
53.6	12:23:08		53.6	53.6
53.7	12:23:09		53.7	53.7
54.0	12:23:10		54.0	54.0
54.2	12:23:11		54.2	54.2
54.0	12:23:12		54.0	54.0
53.4	12:23:13		53.4	53.4
53.1	12:23:14		53.1	53.1
52.7	12:23:15		52.7	52.7
53.1	12:23:16		53.1	53.1
54.2	12:23:17		54.2	54.2
54.0	12:23:18		54.0	54.0
53.9	12:23:19		53.9	53.9
53.7	12:23:20		53.7	53.7
53.3	12:23:21		53.3	53.3
53.4	12:23:22		53.4	53.4
53.7	12:23:23		53.7	53.7
53.5	12:23:24		53.5	53.5
53.2	12:23:25		53.2	53.2
53.3	12:23:26		53.3	53.3
53.1	12:23:27		53.1	53.1
52.9	12:23:28		52.9	52.9
52.9	12:23:29		52.9	52.9
52.9	12:23:30		52.9	52.9
52.9	12:23:31		52.9	52.9
53.3	12:23:32		53.3	53.3
53.5	12:23:33		53.5	53.5
53.8	12:23:34		53.8	53.8
53.9	12:23:35		53.9	53.9
53.3	12:23:36		53.3	53.3
53.0	12:23:37		53.0	53.0
53.3	12:23:38		53.3	53.3
53.4	12:23:39		53.4	53.4
53.4	12:23:40		53.4	53.4
53.2	12:23:41		53.2	53.2
52.9	12:23:42		52.9	52.9
52.7	12:23:43		52.7	52.7
52.7	12:23:44		52.7	52.7
52.9	12:23:45		52.9	52.9
52.9	12:23:46		52.9	52.9
53.0	12:23:47		53.0	53.0
53.1	12:23:48		53.1	53.1
53.1	12:23:49		53.1	53.1
53.0	12:23:50		53.0	53.0
52.8	12:23:51		52.8	52.8
52.9	12:23:52		52.9	52.9
52.8	12:23:53		52.8	52.8
52.9	12:23:54		52.9	52.9
53.0	12:23:55		53.0	53.0
53.5	12:23:56		53.5	53.5
53.2	12:23:57		53.2	53.2
52.9	12:23:58		52.9	52.9
52.9	12:23:59		52.9	52.9
53.0	12:24:00		53.0	53.0
53.6	12:24:01		53.6	53.6
54.6	12:24:02		54.6	54.6
56.0	12:24:03		56.0	56.0
55.8	12:24:04		55.8	55.8
54.7	12:24:05		54.7	54.7
53.7	12:24:06		53.7	53.7
53.1	12:24:07		53.1	53.1
52.8	12:24:08		52.8	52.8
52.6	12:24:09		52.6	52.6
52.8	12:24:10		52.8	52.8
53.2	12:24:11		53.2	53.2
53.2	12:24:12		53.2	53.2
52.9	12:24:13		52.9	52.9
52.7	12:24:14		52.7	52.7
52.9	12:24:15		52.9	52.9
53.7	12:24:16		53.7	53.7
53.2	12:24:17		53.2	53.2
52.7	12:24:18		52.7	52.7
52.5	12:24:19		52.5	52.5
52.6	12:24:20		52.6	52.6
53.0	12:24:21		53.0	53.0
52.6	12:24:22		52.6	52.6
52.3	12:24:23		52.3	52.3
52.1	12:24:24		52.1	52.1
52.0	12:24:25		52.0	52.0
51.9	12:24:26		51.9	51.9
52.1	12:24:27		52.1	52.1
52.1	12:24:28		52.1	52.1
52.0	12:24:29		52.0	52.0
52.1	12:24:30		52.1	52.1
52.2	12:24:31		52.2	52.2
52.0	12:24:32		52.0	52.0
52.0	12:24:33		52.0	52.0
52.0	12:24:34		52.0	52.0
52.0	12:24:35		52.0	52.0
52.2	12:24:36		52.2	52.2
52.2	12:24:37		52.2	52.2
52.3	12:24:38		52.3	52.3
52.5	12:24:39		52.5	52.5
52.4	12:24:40		52.4	52.4
52.2	12:24:41		52.2	52.2
52.2	12:24:42		52.2	52.2
52.3	12:24:43		52.3	52.3
52.3	12:24:44		52.3	52.3
52.3	12:24:45		52.3	52.3
52.3	12:24:46		52.3	52.3
52.2	12:24:47		52.2	52.2
52.2	12:24:48		52.2	52.2
52.3	12:24:49		52.3	52.3
52.3	12:24:50		52.3	52.3
52.4	12:24:51		52.4	52.4
52.3	12:24:52		52.3	52.3
52.3	12:24:53		52.3	52.3
52.4	12:24:54		52.4	52.4
52.4	12:24:55		52.4	52.4
52.4	12:24:56		52.4	52.4
52.4	12:24:57		52.4	52.4
52.2	12:24:58		52.2	52.2
52.2	12:24:59		52.2	52.2
52.0	12:25:00		52.0	52.0
52.0	12:25:01		52.0	52.0
51.9	12:25:02		51.9	51.9
51.9	12:25:03		51.9	51.9
52.0	12:25:04		52.0	52.0
52.1	12:25:05		52.1	52.1
52.0	12:25:06		52.0	52.0
52.0	12:25:07		52.0	52.0
51.9	12:25:08		51.9	51.9
51.9	12:25:09		51.9	51.9
52.0	12:25:10		52.0	52.0
52.0	12:25:11		52.0	52.0
51.9	12:25:12		51.9	51.9
52.1	12:25:13		52.1	52.1
52.1	12:25:14		52.1	52.1
52.2	12:25:15		52.2	52.2
52.1	12:25:16		52.1	52.1
52.0	12:25:17		52.0	52.0
52.1	12:25:18		52.1	52.1
52.0	12:25:19		52.0	52.0
52.0	12:25:20		52.0	52.0
52.1	12:25:21		52.1	52.1
52.1	12:25:22		52.1	52.1
52.1	12:25:23		52.1	52.1
52.0	12:25:24		52.0	52.0
51.9	12:25:25		51.9	51.9

Site 3 - On South Side of Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
52.5	12:27:49		52.5	52.5
52.6	12:27:50		52.6	52.6
53.4	12:27:51		53.4	53.4
53.6	12:27:52		53.6	53.6
53.2	12:27:53		53.2	53.2
53.4	12:27:54		53.4	53.4
54.1	12:27:55		54.1	54.1
54.2	12:27:56		54.2	54.2
54.0	12:27:57		54.0	54.0
53.8	12:27:58		53.8	53.8
53.5	12:27:59		53.5	53.5
53.5	12:28:00		53.5	53.5
53.6	12:28:01		53.6	53.6
53.6	12:28:02		53.6	53.6
53.4	12:28:03		53.4	53.4
53.1	12:28:04		53.1	53.1
53.0	12:28:05		53.0	53.0
52.7	12:28:06		52.7	52.7
53.0	12:28:07		53.0	53.0
52.8	12:28:08		52.8	52.8
52.4	12:28:09		52.4	52.4
52.2	12:28:10		52.2	52.2
52.3	12:28:11		52.3	52.3
52.2	12:28:12		52.2	52.2
52.2	12:28:13		52.2	52.2
52.0	12:28:14		52.0	52.0
52.0	12:28:15		52.0	52.0
52.0	12:28:16		52.0	52.0
52.0	12:28:17		52.0	52.0
52.0	12:28:18		52.0	52.0
52.0	12:28:19		52.0	52.0
52.0	12:28:20		52.0	52.0
52.0	12:28:21		52.0	52.0
51.9	12:28:22		51.9	51.9
51.7	12:28:23		51.7	51.7
51.6	12:28:24		51.6	51.6
51.7	12:28:25		51.7	51.7
51.9	12:28:26		51.9	51.9
52.2	12:28:27		52.2	52.2
52.5	12:28:28		52.5	52.5
52.5	12:28:29		52.5	52.5
52.5	12:28:30		52.5	52.5
52.3	12:28:31		52.3	52.3
52.4	12:28:32		52.4	52.4
52.3	12:28:33		52.3	52.3
52.3	12:28:34		52.3	52.3
52.4	12:28:35		52.4	52.4
52.5	12:28:36		52.5	52.5
52.4	12:28:37		52.4	52.4
52.3	12:28:38		52.3	52.3
52.2	12:28:39		52.2	52.2
52.3	12:28:40		52.3	52.3
52.3	12:28:41		52.3	52.3
52.3	12:28:42		52.3	52.3
52.4	12:28:43		52.4	52.4
52.7	12:28:44		52.7	52.7
52.7	12:28:45		52.7	52.7
52.8	12:28:46		52.8	52.8
52.9	12:28:47		52.9	52.9
53.0	12:28:48		53.0	53.0
53.1	12:28:49		53.1	53.1
53.3	12:28:50		53.3	53.3
53.5	12:28:51		53.5	53.5
53.5	12:28:52		53.5	53.5
53.3	12:28:53		53.3	53.3
53.4	12:28:54		53.4	53.4
53.7	12:28:55		53.7	53.7
53.8	12:28:56		53.8	53.8
53.6	12:28:57		53.6	53.6
53.5	12:28:58		53.5	53.5
53.4	12:28:59		53.4	53.4
53.4	12:29:00		53.4	53.4
53.3	12:29:01		53.3	53.3
53.1	12:29:02		53.1	53.1
53.1	12:29:03		53.1	53.1
53.0	12:29:04		53.0	53.0
53.0	12:29:05		53.0	53.0
52.9	12:29:06		52.9	52.9
52.9	12:29:07		52.9	52.9
52.9	12:29:08		52.9	52.9
52.9	12:29:09		52.9	52.9
52.8	12:29:10		52.8	52.8
52.6	12:29:11		52.6	52.6
52.5	12:29:12		52.5	52.5
52.6	12:29:13		52.6	52.6
52.6	12:29:14		52.6	52.6
52.7	12:29:15		52.7	52.7
52.9	12:29:16		52.9	52.9
52.7	12:29:17		52.7	52.7
52.7	12:29:18		52.7	52.7
52.8	12:29:19		52.8	52.8
52.8	12:29:20		52.8	52.8
52.7	12:29:21		52.7	52.7
52.5	12:29:22		52.5	52.5
52.5	12:29:23		52.5	52.5
52.5	12:29:24		52.5	52.5
52.7	12:29:25		52.7	52.7
53.3	12:29:26		53.3	53.3
53.9	12:29:27		53.9	53.9
54.1	12:29:28		54.1	54.1
53.8	12:29:29		53.8	53.8
53.4	12:29:30		53.4	53.4
53.2	12:29:31		53.2	53.2
53.0	12:29:32		53.0	53.0
53.0	12:29:33		53.0	53.0
53.2	12:29:34		53.2	53.2
53.6	12:29:35		53.6	53.6
53.6	12:29:36		53.6	53.6
53.9	12:29:37		53.9	53.9
54.1	12:29:38		54.1	54.1
54.2	12:29:39		54.2	54.2
54.1	12:29:40		54.1	54.1
53.9	12:29:41		53.9	53.9
54.0	12:29:42		54.0	54.0
54.0	12:29:43		54.0	54.0
53.9	12:29:44		53.9	53.9
53.5	12:29:45		53.5	53.5
53.3	12:29:46		53.3	53.3
53.7	12:29:47		53.7	53.7
54.2	12:29:48		54.2	54.2
54.3	12:29:49		54.3	54.3
54.3	12:29:50		54.3	54.3
54.2	12:29:51		54.2	54.2
54.5	12:29:52		54.5	54.5
54.7	12:29:53		54.7	54.7
54.6	12:29:54		54.6	54.6
54.4	12:29:55		54.4	54.4
53.9	12:29:56		53.9	53.9
53.7	12:29:57		53.7	53.7
53.6	12:29:58		53.6	53.6
53.3	12:29:59		53.3	53.3
52.9	12:30:00		52.9	52.9
53.2	12:30:01		53.2	53.2
53.4	12:30:02		53.4	53.4
53.6	12:30:03		53.6	53.6
53.7	12:30:04		53.7	53.7
53.7	12:30:05		53.7	53.7
53.6	12:30:06		53.6	53.6
53.6	12:30:07		53.6	53.6
53.5	12:30:08		53.5	53.5
54.1	12:30:09		54.1	54.1
55.0	12:30:10		55.0	55.0
55.2	12:30:11		55.2	55.2
55.7	12:30:12		55.7	55.7
55.8	12:30:13		55.8	55.8
55.8	12:30:14		55.8	55.8
55.7	12:30:15		55.7	55.7
55.4	12:30:16		55.4	55.4
55.3	12:30:17		55.3	55.3
55.2	12:30:18		55.2	55.2
55.0	12:30:19		55.0	55.0
55.0	12:30:20		55.0	55.0
55.7	12:30:21		55.7	55.7
56.0	12:30:22		56.0	56.0

Site 1 - Near Northwest Corner of Project Site					Site 2 - On East Side of Project Site					Site 3 - On South Side of Project Site				
SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL	SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.4	12:18:01		62.4	62.4	51.9	12:25:26		51.9	51.9	55.7	12:30:23		55.7	55.7
61.4	12:18:02		61.4	61.4	51.8	12:25:27		51.8	51.8	55.0	12:30:24		55.0	55.0
60.0	12:18:03		60.0	60.0	51.7	12:25:28		51.7	51.7	54.5	12:30:25		54.5	54.5
59.3	12:18:04		59.3	59.3	51.7	12:25:29		51.7	51.7	54.0	12:30:26		54.0	54.0
59.2	12:18:05		59.2	59.2	51.8	12:25:30		51.8	51.8	54.3	12:30:27		54.3	54.3
60.6	12:18:06		60.6	60.6	51.9	12:25:31		51.9	51.9	54.8	12:30:28		54.8	54.8
61.8	12:18:07		61.8	61.8	51.9	12:25:32		51.9	51.9	55.0	12:30:29		55.0	55.0
62.2	12:18:08		62.2	62.2	51.9	12:25:33		51.9	51.9	55.1	12:30:30		55.1	55.1
63.4	12:18:09		63.4	63.4	51.6	12:25:34		51.6	51.6	54.8	12:30:31		54.8	54.8
63.3	12:18:10		63.3	63.3	51.6	12:25:35		51.6	51.6	54.3	12:30:32		54.3	54.3
63.4	12:18:11		63.4	63.4	51.7	12:25:36		51.7	51.7	54.1	12:30:33		54.1	54.1
63.6	12:18:12		63.6	63.6	51.5	12:25:37		51.5	51.5	54.3	12:30:34		54.3	54.3
62.0	12:18:13		62.0	62.0	51.4	12:25:38		51.4	51.4	54.3	12:30:35		54.3	54.3
61.2	12:18:14		61.2	61.2	51.5	12:25:39		51.5	51.5	54.4	12:30:36		54.4	54.4
59.3	12:18:15		59.3	59.3	51.5	12:25:40		51.5	51.5	54.9	12:30:37		54.9	54.9
57.2	12:18:16		57.2	57.2	51.5	12:25:41		51.5	51.5	54.5	12:30:38		54.5	54.5
55.8	12:18:17		55.8	55.8	51.7	12:25:42		51.7	51.7	54.1	12:30:39		54.1	54.1
55.2	12:18:18		55.2	55.2	51.9	12:25:43		51.9	51.9	54.1	12:30:40		54.1	54.1
54.6	12:18:19		54.6	54.6	51.8	12:25:44		51.8	51.8	53.8	12:30:41		53.8	53.8
54.5	12:18:20		54.5	54.5	52.0	12:25:45		52.0	52.0	53.5	12:30:42		53.5	53.5
54.3	12:18:21		54.3	54.3	52.2	12:25:46		52.2	52.2	53.8	12:30:43		53.8	53.8
54.0	12:18:22		54.0	54.0	52.1	12:25:47		52.1	52.1	53.8	12:30:44		53.8	53.8
54.5	12:18:23		54.5	54.5	52.1	12:25:48		52.1	52.1	53.7	12:30:45		53.7	53.7
56.2	12:18:24		56.2	56.2	52.0	12:25:49		52.0	52.0	53.9	12:30:46		53.9	53.9
55.3	12:18:25		55.3	55.3	52.1	12:25:50		52.1	52.1	53.5	12:30:47		53.5	53.5
54.7	12:18:26		54.7	54.7	52.2	12:25:51		52.2	52.2	53.1	12:30:48		53.1	53.1
54.7	12:18:27		54.7	54.7	52.3	12:25:52		52.3	52.3	52.9	12:30:49		52.9	52.9
54.6	12:18:28		54.6	54.6	52.3	12:25:53		52.3	52.3	52.6	12:30:50		52.6	52.6
54.2	12:18:29		54.2	54.2	52.3	12:25:54		52.3	52.3	52.4	12:30:51		52.4	52.4
54.3	12:18:30		54.3	54.3	52.2	12:25:55		52.2	52.2	52.4	12:30:52		52.4	52.4
54.5	12:18:31		54.5	54.5	52.3	12:25:56		52.3	52.3	52.5	12:30:53		52.5	52.5
55.1	12:18:32		55.1	55.1	52.5	12:25:57		52.5	52.5	52.6	12:30:54		52.6	52.6
55.8	12:18:33		55.8	55.8	53.0	12:25:58		53.0	53.0	52.8	12:30:55		52.8	52.8
55.6	12:18:34		55.6	55.6	52.7	12:25:59		52.7	52.7	52.8	12:30:56		52.8	52.8
55.6	12:18:35		55.6	55.6	52.4	12:26:00		52.4	52.4	52.5	12:30:57		52.5	52.5
55.5	12:18:36		55.5	55.5	52.3	12:26:01		52.3	52.3	52.8	12:30:58		52.8	52.8
55.2	12:18:37		55.2	55.2	52.2	12:26:02		52.2	52.2	53.2	12:30:59		53.2	53.2
55.5	12:18:38		55.5	55.5	52.3	12:26:03		52.3	52.3	53.7	12:31:00		53.7	53.7
55.9	12:18:39		55.9	55.9	52.2	12:26:04		52.2	52.2	53.6	12:31:01		53.6	53.6
56.3	12:18:40		56.3	56.3	52.1	12:26:05		52.1	52.1	54.0	12:31:02		54.0	54.0
56.3	12:18:41		56.3	56.3	52.2	12:26:06		52.2	52.2	53.9	12:31:03		53.9	53.9
56.7	12:18:42		56.7	56.7	52.4	12:26:07		52.4	52.4	53.5	12:31:04		53.5	53.5
56.7	12:18:43		56.7	56.7	52.4	12:26:08		52.4	52.4	52.9	12:31:05		52.9	52.9
56.4	12:18:44		56.4	56.4	52.7	12:26:09		52.7	52.7	52.7	12:31:06		52.7	52.7
57.5	12:18:45		57.5	57.5	52.8	12:26:10		52.8	52.8	52.6	12:31:07		52.6	52.6
57.3	12:18:46		57.3	57.3	52.9	12:26:11		52.9	52.9	52.6	12:31:08		52.6	52.6
56.5	12:18:47		56.5	56.5	53.1	12:26:12		53.1	53.1	52.7	12:31:09		52.7	52.7
56.0	12:18:48		56.0	56.0	53.2	12:26:13		53.2	53.2	52.6	12:31:10		52.6	52.6
56.0	12:18:49		56.0	56.0	53.4	12:26:14		53.4	53.4	52.5	12:31:11		52.5	52.5
55.9	12:18:50		55.9	55.9	53.3	12:26:15		53.3	53.3	52.5	12:31:12		52.5	52.5
55.4	12:18:51		55.4	55.4	53.1	12:26:16		53.1	53.1	52.7	12:31:13		52.7	52.7
55.2	12:18:52		55.2	55.2	53.0	12:26:17		53.0	53.0	53.0	12:31:14		53.0	53.0
55.3	12:18:53		55.3	55.3	52.8	12:26:18		52.8	52.8	53.1	12:31:15		53.1	53.1
55.1	12:18:54		55.1	55.1	52.8	12:26:19		52.8	52.8	53.0	12:31:16		53.0	53.0
55.2	12:18:55		55.2	55.2	52.8	12:26:20		52.8	52.8	53.2	12:31:17		53.2	53.2
55.1	12:18:56		55.1	55.1	52.7	12:26:21		52.7	52.7	53.2	12:31:18		53.2	53.2
54.9	12:18:57		54.9	54.9	52.7	12:26:22		52.7	52.7	53.1	12:31:19		53.1	53.1
55.1	12:18:58		55.1	55.1	52.7	12:26:23		52.7	52.7	53.2	12:31:20		53.2	53.2
56.2	12:18:59		56.2	56.2	52.6	12:26:24		52.6	52.6	53.3	12:31:21		53.3	53.3
56.7	12:19:00		56.7	56.7	52.6	12:26:25		52.6	52.6	53.4	12:31:22		53.4	53.4
57.3	12:19:01		57.3	57.3	52.5	12:26:26		52.5	52.5	53.3	12:31:23		53.3	53.3
57.7	12:19:02		57.7	57.7	52.5	12:26:27		52.5	52.5	53.2	12:31:24		53.2	53.2
57.9	12:19:03		57.9	57.9	52.5	12:26:28		52.5	52.5	53.2	12:31:25		53.2	53.2
58.2	12:19:04		58.2	58.2	52.6	12:26:29		52.6	52.6	53.0	12:31:26		53.0	53.0
57.6	12:19:05		57.6	57.6	52.4	12:26:30		52.4	52.4	52.9	12:31:27		52.9	52.9
56.9	12:19:06		56.9	56.9	52.4	12:26:31		52.4	52.4	52.7	12:31:28		52.7	52.7
56.8	12:19:07		56.8	56.8	52.8	12:26:32		52.8	52.8	52.6	12:31:29		52.6	52.6
56.2	12:19:08		56.2	56.2	52.7	12:26:33		52.7	52.7	52.7	12:31:30		52.7	52.7
55.2	12:19:09		55.2	55.2	52.5	12:26:34		52.5	52.5	52.8	12:31:31		52.8	52.8
54.1	12:19:10		54.1	54.1	52.4	12:26:35		52.4	52.4	52.8	12:31:32		52.8	52.8
53.3	12:19:11		53.3	53.3	52.3	12:26:36		52.3	52.3	53.0	12:31:33		53.0	53.0
52.9	12:19:12		52.9	52.9	52.3	12:26:37		52.3	52.3	53.1	12:31:34		53.1	53.1
52.8	12:19:13		52.8	52.8	52.4	12:26:38		52.4	52.4	53.3	12:31:35		53.3	53.3
53.3	12:19:14		53.3	53.3	52.5	12:26:39		52.5	52.5	53.7	12:31:36		53.7	53.7
53.2	12:19:15		53.2	53.2	52.5	12:26:40		52.5	52.5	53.6	12:31:37		53.6	53.6
53.4	12:19:16		53.4	53.4	52.5	12:26:41		52.5	52.5	53.3	12:31:38		53.3	53.3
53.9	12:19:17		53.9	53.9	52.6	12:26:42		52.6	52.6	54.2	12:31:39		54.2	54.2
57.9	12:19:18		57.9	57.9	52.6	12:26:43		52.6	52.6	54.9	12:31:40		54.9	54.9
60.5	12:19:19		60.5	60.5	52.8	12:26:44		52.8	52.8	55.4	12:31:41		55.4	55.4
61.4	12:19:20		61.4	61.4	52.5	12:26:45		52.5	52.5	55.8	12:31:42		55.8	55.8
60.8	12:19:21		60.8	60.8	52.3	12:26:46		52.3	52.3	55.8	12:31:43		55.8	55.8
61.2	12:19:22		61.2	61.2	52.2	12:26:47		52.2	52.2	55.7	12:31:44		55.7	55.7
61.3	12:19:23		61.3	61.3	52.1	12:26:48		52.1	52.1	55.5	12:31:45		55.5	55.5
60.7	12:19:24		60.7	60.7	52.3	12:26:49		52.3	52.3	55.3	12:31:46		55.3	55.3
60.2	12:19:25		60.2	60.2	52.3	12:26:50		52.3	52.3	55.4	12:31:47		55.4	55.4
59.5	12:19:26		59.5	59.5	52.5	12:26:51		52.5	52.5	55.3	12:31:48		55.3	55.3
57.3	12:19:27		57.3	57.3	52.4	12:26:52		52.4	52.4	54.5	12:31:49		54.5	54.5
55.1	12:19:28		55.1	55.1	52.5	12:26:53		52.5	52.5	54.0	12:31:50		54.0	54.0
53.8	12:19:29		53.8	53.8	52.6	12:26:54		52.6	52.6	53.6	12:31:51		53.6	53.6
53.0	12:19:30		53.0	53.0	52.5	12:26:55		52.5	52.5	53.3	12:31:52		53.3	53.3
52.2	12:19:31		52.2	52.2	52.5	12:26:56		52.5	52.5	53.0	12:31:53		53.0	53.0
51.7	12:19:32		51.7	51.7	52.2	12:26:57		52.2	52.2	52.8	12:31:54		52.8	52.8
51.5	12:19:33		51.5	51.5	52.2	12:26:58		52.2	52.2	52.7	12:31:55		52.7	52.7
51.6	12:19:34		51.6	51.6	52.2	12:26:59		52.2	52.2	52.5	12:31:56		52.5	52.5
51.7	12:19:35		51.7	51.7	52.4	12:27:00		52.4	52.4	52.4	12:31:57		52.4	52.4
51.7	12:19:36		51.7	51.7	52.5	12:27:01		52.5	52.5	52.8	12:31:58		52.8	52.8
51.5	12:19:37		51.5	51.5	52.7	12:27:02		52.7	52.7	52.7	12:31:59		52.7	52.7
51.7	12:19:38		51.7	51.7	52.8	12:27:03		52.8	52.8	52.5	12:32:00		52.5	52.5
51.6	12:19:39		51.6	51.6	52.8	12:27:04		52.8	52.8	52.6	12:32:01		52.6	52.6
51.5	12:19:40		51.5	51.5	52.6	12:27:05		52.6	52.6	52.7	12:32:02		52.7	52.7
51.5	12:19:41		51.5	51.5	52.5	12:27:06		52.5	52.5	52.6	12:32:03		52.6	52.6
51.7	12:19:42		51.7	51.7	52.5	12:27:07		52.5	52.5	52.3	12:32:04		52.3	52.3
51.9	12:19:43		51.9	51.9	52.4	12:27:08		52.4	52.4	52.2	12:32:05		52.2	52.2
52.3	12:19:44		52.3	52.3	52.5	12:27:09		52.5	52.5	52.1	12:32:06		52.1	52.1
53.1	12:19:45		53.1	53.1	52.3	12:27:10		52.3	52.3	52.1	12:32:07		52.1	52.1
53.3	12:19:46		53.3	53.3	52.3	12:27:11		52.3	52.3	52.0	12:32:08		52.0	52.0
52.9	12:19:47		52.9	52.9	52.2	12:27:12		52.2	52.2	52.1	12:32:09		52.1	52.1
52.6	12:19:48		52.6	52.6	52.3	12:27:13		52.3	52.3	52.0	12:32:10		52.0	52.0
52.6	12:19:49		52.6	52.6	52.4	12:27:14		52.4	52.4	51.8	12:32:11		51.8	51.8
52.5	12:19:50		52.5	52.5	52.4	12:27:15		52.4	52.4	51.8	12:32:12		51.8	51.8
52.6	12:19:51		52.6	52.6	52.2	12:27:16		52.2	52.2	51.7	12:32:13		51.7	51.7
52.7	12:19:52		52.7	52.7	52.1	12:27:17		52.1	52.1	51.7	12:32:14		51.7	51.7
52.7	12:19:53		52.7	52.7	52.1	12:27:18		52.1	52.1	51.8	12:32:15		51.8	51.8
52.9	12:19:54		52.9	52.9	52.1	12:27:19		52.1	52.1	51.7	12:32:16		51.7	51.7
53.6	12:19:55		53.6	53.6	52.2	12:27:20		52.2	52.2	51.8	12:32:17		51.8	51.8
53.2	12:19:56		53.2	53.2	52.3	12:27:21		52.3	52.3	51.8	12:32:18		51.8	51.8
53.1	12:19:57		53.1	53.1	52.5	12:27:22		52.5	52.5	51.7	12:32:19		51.7	51.7
53.7	12:19:58		53.7	53.7	53.1	12:27:23		53.1	53.1	51.8	12:32:20		51.8	51.8
54.7	12:19:59		54.7	54.7	53.5	12:27:24		53.5	53.5	51.7	12:32:21		51.7	51.7
55.5	12:20:00		55.5	55.5	54.2	12:27:25		54.2	54.2	51.6	12:32:22		51.6	51.6
56.3	12:20:01		56.3	56.3	55.1	12:27:26		55.1	55.1	51.6	12:32:23		51.6	51.6
57.0	12:20:02		57.0	57.0	55.4	12:27:27		55.4	55.4	51.5	12:32:24		51.5	51.5
57.8	12:20:03		57.8	57.8	55.8	12:27:28		55.8	55.8	51.8	12:32:25		51.8	51.8
60.5	12:20:04		60.5	60.5	57.2	12:27:29		57.2	57.2	51.7	12:32:26		51.7	51.7
61.7	12:20:05		61.7	61.7	57.4	12:27:30		57.4	57.4	51.9	12:32:27		51.9	51.9
63.8	12:20:06		63.8	63.8	57.1	12:27:31		57.1	57.1	52.3	12:32:28		52.3	52.3
63.4	12:20:07		63.4	63.4	56.9	12:27:32		56.9	56.9	52.2	12:32:29		52.2	52.2
63.2	12:20:08		63.2	63.2	55.6	12:27:33		55.6	55.6	52.1	12:32:30		52.1	52.1
61.7	12:20:09	60.3	61.7	61.7	54.8	12:27:34	53.9	54.8	54.8	52.1	12:32:31	54.3	52.1	52.1
60.3	12:20:10	60.3	60.3	60.3	54.7	12:27:35	53.9	54.7	54.7	52.1	12:32:32	54.3	52.1	52.1
59.8	12:20:11	60.3	59.8	59.8	54.9	12:27:36	53.9	54.9	54.9	52.9	12:32:33	54.3	52.9	52.9
59.1	12:20:12	60.3	59.1	59.1	55.3	12:27:37	53.9	55.3	55.3	53.5	12:32:34	54.3	53.5	53.5
58.6	12:20:13	60.3	58.6	58.6	56.5	12:27:38	53.9	56.5	56.5	53.5	12:32:35	54.2	53.5	53.5
59.0	12:20:14	60.3	59.0	59.0	57.4	12:27:39	53.9	57.4	57.4	53.8	12:32:36	54.2	53.8	53.8
63.1	12:20:15	60.2	63.1	63.1	58.2	12:27:40	53.9	58.2	58.2	54.0	12:32:37	54.2	54.0	54.0
70.5	12:20:16	60.2	70.5	70.5	59.2	12:27:41	53.9	59.2	59.2	53.6	12:32:38	54.2	53.6	53.6
71.6	12:20:17	60.2	71.6	71.6	58.7	12:27:42	53.9	58.7	58.7	53.6	12:32:39	54.2	53.6	53.6
72.8	12:20:18	60.2	72.8	72.8	57.7	12:27:43	53.9	57.7	57.7	53.6	12:32:40	54.2	53.6	53.6
73.0	12:20:19	60.2	73.0	73.0	57.6	12:27:44	53.9	57.6	57.6	53.8	12:32:41	54.2	53.8	53.8
70.8	12:20:20	60.2	70.8	70.8	57.5	12:27:45	53.9	57.5	57.5	53.7	12:32:42	54.1	53.7	53.7
69.0	12:20:21	60.2	69.0	69.0	57.0	12:27:46	53.9	57.0	57.0	53.6	12:32:43	54.1	53.6	53.6
66.9	12:20:22	60.2	66.9	66.9	56.8	12:27:47	53.9	56.8	56.8	54.7	12:32:44	54.1	54.7	54.7
64.7	12:20:23	60.2	64.7	64.7	56.4	12:27:48	53.9	56.4	56.4	54.8	12:32:45	54.1	54.8	54.8
62.2	12:20:24	60.2	62.2	62.2	55.8	12:27:49	53.9	55.8	55.8	54.2	12:32:46	54.1	54.2	54.2
61.2	12:20:25	60.2	61.2	61.2	55.7	12:27:50	53.8	55.7	55.7	54.0	12:32:47	54.1	54.0	54.0
61.3	12:20:26	60.2	61.3	61.3	55.3	12:27:51	53.8	55.3	55.3	53.8	12:32:48	54.1	53.8	53.8
63.2	12:20:27	60.2	63.2	63.2	54.8	12:27:52	53.8	54.8	54.8	53.5	12:32:49	54.0	53.5	53.5
63.1	12:20:28	60.2	63.1	63.1	54.2	12:27:53	53.8	54.2	54.2	53.3	12:32:50	54.0	53.3	53.3
63.4	12:20:29	60.2	63.4	63.4	53.9	12:27:54	53.8	53.9	53.9	53.4	12:32:51	54.0	53.4	53.4
62.8	12:20:30	60.2	62.8	62.8	53.5	12:27:55	53.8	53.5	53.5	53.5	12:32:52	54.0	53.5	53.5
62.4	12:20:31	60.2	62.4	62.4	53.4	12:27:56	53.8	53.4	53.4	53.6	12:32:53	54.0	53.6	53.6
62.9	12:20:32	60.2	62.9	62.9	53.3	12:27:57	53.8	53.3	53.3	53.5	12:32:54	54.0	53.5	53.5
62.6	12:20:33	60.2	62.6	62.6	53.3	12:27:58	53.8	53.3	53.3	53.2	12:32:55	54.0	53.2	53.2
62.5	12:20:34	60.2	62.5	62.5	53.4	12:27:59	53.8	53.4	53.4	52.9	12:32:56	54.0	52.9	52.9

APPENDIX C

RCNM Model Construction Noise Calculations

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Hotel to South	Commercial	54.2	54.2	51.2

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	270	0
Dozer	No	40		81.7	270	0
Dozer	No	40		81.7	270	0
Dozer	No	40		81.7	270	0
Excavator	No	40		80.7	270	0
Excavator	No	40		80.7	270	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw		74.9	67.9	N/A	N/A	N/A	N/A
Dozer		67.0	63.0	N/A	N/A	N/A	N/A
Dozer		67.0	63.0	N/A	N/A	N/A	N/A
Dozer		67.0	63.0	N/A	N/A	N/A	N/A
Excavator		66.1	62.1	N/A	N/A	N/A	N/A
Excavator		66.1	62.1	N/A	N/A	N/A	N/A
	Total	**75**	**72**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Demolition

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to Northwest	Residential	60.4	60.4	53.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	1375	0
Dozer	No	40		81.7	1375	0
Dozer	No	40		81.7	1375	0
Dozer	No	40		81.7	1375	0
Excavator	No	40		80.7	1375	0
Excavator	No	40		80.7	1375	0

		Calculated (dBA)		Results Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw		60.8	53.8	N/A	N/A	N/A	N/A
Dozer		52.9	48.9	N/A	N/A	N/A	N/A
Dozer		52.9	48.9	N/A	N/A	N/A	N/A
Dozer		52.9	48.9	N/A	N/A	N/A	N/A
Excavator		51.9	47.9	N/A	N/A	N/A	N/A
Excavator		51.9	47.9	N/A	N/A	N/A	N/A
	Total	**61**	**58**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Hotel to South	Commercial	54.2	54.2	51.2

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	270	0
Grader	No	40	85		270	0
Dozer	No	40		81.7	270	0
Tractor	No	40	84		270	0
Front End Loader	No	40		79.1	270	0
Backhoe	No	40		77.6	270	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		66.1	62.1	N/A	N/A	N/A	N/A
Grader		70.4	66.4	N/A	N/A	N/A	N/A
Dozer		67.0	63.0	N/A	N/A	N/A	N/A
Tractor		69.4	65.4	N/A	N/A	N/A	N/A
Front End Loader		64.5	60.5	N/A	N/A	N/A	N/A
Backhoe		62.9	58.9	N/A	N/A	N/A	N/A
	Total	**70**	**71**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Grading

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to Northwest	Residential	60.4	60.4	53.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	1375	0
Grader	No	40	85		1375	0
Dozer	No	40		81.7	1375	0
Tractor	No	40	84		1375	0
Front End Loader	No	40		79.1	1375	0
Backhoe	No	40.0		77.6	1375	0

		Calculated (dBA)		Results Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		51.9	47.9	N/A	N/A	N/A	N/A
Grader		56.2	52.2	N/A	N/A	N/A	N/A
Dozer		52.9	48.9	N/A	N/A	N/A	N/A
Tractor		55.2	51.2	N/A	N/A	N/A	N/A
Front End Loader		50.3	46.3	N/A	N/A	N/A	N/A
Backhoe		48.8	44.8	N/A	N/A	N/A	N/A
	Total	**56**	**57**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Hotel to South	Commercial	54.2	54.2	51.2

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	270	0
Gradall	No	40		83.4	270	0
Gradall	No	40		83.4	270	0
Gradall	No	40		83.4	270	0
Generator	No	50		80.6	270	0
Tractor	No	40	84		270	0
Front End Loader	No	40		79.1	270	0
Backhoe	No	40		77.6	270	0
Welder / Torch	No	40		74	270	0

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Leq	Evening Lmax	Leq
Crane	65.9	57.9	N/A	N/A	N/A	N/A
Gradall	68.8	64.8	N/A	N/A	N/A	N/A
Gradall	68.8	64.8	N/A	N/A	N/A	N/A
Gradall	68.8	64.8	N/A	N/A	N/A	N/A
Generator	66.0	63.0	N/A	N/A	N/A	N/A
Tractor	69.4	65.4	N/A	N/A	N/A	N/A
Front End Loader	64.5	60.5	N/A	N/A	N/A	N/A
Backhoe	62.9	58.9	N/A	N/A	N/A	N/A
Welder / Torch	59.4	55.4	N/A	N/A	N/A	N/A
Total	**69**	**72**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Building Construction

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to Northwest	Residential	60.4	60.4	53.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	1375	0
Gradall	No	40		83.4	1375	0
Gradall	No	40		83.4	1375	0
Gradall	No	40		83.4	1375	0
Generator	No	50		80.6	1375	0
Tractor	No	40	84		1375	0
Front End Loader	No	40		79.1	1375	0
Backhoe	No	40		77.6	1375	0
Welder / Torch	No	40		74	1375	0

		Calculated (dBA)		Results Noise Limits (dBA)			
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		51.8	43.8	N/A	N/A	N/A	N/A
Gradall		54.6	50.6	N/A	N/A	N/A	N/A
Gradall		54.6	50.6	N/A	N/A	N/A	N/A
Gradall		54.6	50.6	N/A	N/A	N/A	N/A
Generator		51.8	48.8	N/A	N/A	N/A	N/A
Tractor		55.2	51.2	N/A	N/A	N/A	N/A
Front End Loader		50.3	46.3	N/A	N/A	N/A	N/A
Backhoe		48.8	44.8	N/A	N/A	N/A	N/A
Welder / Torch		45.2	41.2	N/A	N/A	N/A	N/A
	Total	**55**	**58**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Hotel to South	Commercial	54.2	54.2	51.2

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	270	0
Concrete Mixer Truck	No	40		78.8	270	0
Paver	No	50		77.2	270	0
Paver	No	50		77.2	270	0
Paver	No	50		77.2	270	0
Roller	No	20		80	270	0
Roller	No	20		80	270	0
Tractor	No	40	84		270	0

Equipment		Results Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck		64.2	60.2	N/A	N/A	N/A	N/A
Concrete Mixer Truck		64.2	60.2	N/A	N/A	N/A	N/A
Paver		62.6	59.6	N/A	N/A	N/A	N/A
Paver		62.6	59.6	N/A	N/A	N/A	N/A
Paver		62.6	59.6	N/A	N/A	N/A	N/A
Roller		65.4	58.4	N/A	N/A	N/A	N/A
Roller		65.4	58.4	N/A	N/A	N/A	N/A
Tractor		69.4	65.4	N/A	N/A	N/A	N/A
	Total	**69**	**70**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Paving

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to Northwest	Residential	60.4	60.4	53.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	1375	0
Concrete Mixer Truck	No	40		78.8	1375	0
Paver	No	50		77.2	1375	0
Paver	No	50		77.2	1375	0
Paver	No	50		77.2	1375	0
Roller	No	20		80	1375	0
Roller	No	20		80	1375	0
Tractor	No	40.0	84		1375	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck		50.0	46.0	N/A	N/A	N/A	N/A
Concrete Mixer Truck		50.0	46.0	N/A	N/A	N/A	N/A
Paver		48.4	45.4	N/A	N/A	N/A	N/A
Paver		48.4	45.4	N/A	N/A	N/A	N/A
Paver		48.4	45.4	N/A	N/A	N/A	N/A
Roller		51.2	44.2	N/A	N/A	N/A	N/A
Roller		51.2	44.2	N/A	N/A	N/A	N/A
Tractor		55.2	51.2	N/A	N/A	N/A	N/A
	Total	**55**	**56**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/21/2022
Case Description: 1950-1960 East Grand Ave Project - Painting

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Hotel to South	Commercial	54.2	54.2	51.2

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	270	0

		Calculated (dBA)		Results Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		63.0	59.0	N/A	N/A	N/A	N/A
	Total	**63**	**59**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to Northwest	Residential	60.4	60.4	53.6

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	1375	0

		Calculated (dBA)		Results Noise Limits (dBA) Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		48.9	44.9	N/A	N/A	N/A	N/A
	Total	**49**	**45**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

APPENDIX D

FHWA Model Roadway Noise Calculation Printouts

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	g	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 54260 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	5.88	-12.53	-1.20	59.51	56.99	56.12	52.03	59.54	60.05	70 dBA:	**69**	**74**
Medium Trucks	76.31	-10.74	-12.53	-1.20	51.84	32.02	30.62	30.31	36.97	37.23	65 dBA:	**148**	**160**
Heavy Trucks	81.16	-14.11	-12.53	-1.20	53.32	29.78	25.61	29.66	36.01	36.12	60 dBA:	**319**	**345**
				Total:	**61.01**	**57.01**	**56.14**	**52.09**	**59.59**	**60.09**	55 dBA:	**687**	**742**

Road Name: Pacific Coast Highway **Segment: South of El Segundo Boulevard**

Average Daily Traffic: 63520 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.57	-12.53	-1.20	60.20	57.67	56.81	52.72	60.23	60.73	70 dBA:	**76**	**82**
Medium Trucks	76.31	-10.05	-12.53	-1.20	52.53	32.71	31.31	31.00	37.65	37.91	65 dBA:	**164**	**178**
Heavy Trucks	81.16	-13.43	-12.53	-1.20	54.00	30.46	26.30	30.35	36.69	36.80	60 dBA:	**354**	**383**
				Total:	**61.69**	**57.69**	**56.82**	**52.77**	**60.27**	**60.77**	55 dBA:	**763**	**824**

Road Name: Nash Street **Segment: North of Grand Avenue**

Average Daily Traffic: 13360 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 130 FEET FROM CENTERLINE (Equiv. Lane Dist: 128.29 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.40	-6.24	-1.20	58.07	55.94	54.63	48.62	57.04	57.66	70 dBA:	**18**	**20**
Medium Trucks	74.83	-16.84	-6.24	-1.20	50.55	29.30	35.32	17.02	30.17	32.92	65 dBA:	**38**	**42**
Heavy Trucks	80.05	-20.80	-6.24	-1.20	51.81	26.46	23.06	27.71	33.91	34.00	60 dBA:	**83**	**91**
				Total:	**59.57**	**55.96**	**54.68**	**48.66**	**57.07**	**57.70**	55 dBA:	**179**	**197**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: Nash Street **Segment: South of Grand Avenue**

Average Daily Traffic: 9770 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 188.84 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.96	-8.76	-1.20	54.19	52.07	50.75	44.74	53.16	53.79	70 dBA:	**14**	**16**
Medium Trucks	74.83	-18.20	-8.76	-1.20	46.67	25.42	31.44	13.15	26.29	29.04	65 dBA:	**31**	**34**
Heavy Trucks	80.05	-22.15	-8.76	-1.20	47.93	22.58	19.18	23.83	30.03	30.12	60 dBA:	**67**	**74**
				Total:	**55.69**	**52.08**	**50.81**	**44.78**	**53.19**	**53.82**	55 dBA:	**144**	**159**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 12290 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.04	3.67	-1.20	67.62	65.50	64.18	58.17	66.59	67.22	70 dBA:	**21**	**23**
Medium Trucks	74.83	-17.20	3.67	-1.20	60.10	38.85	44.87	26.58	39.72	42.47	65 dBA:	**45**	**49**
Heavy Trucks	80.05	-21.16	3.67	-1.20	61.36	36.01	32.61	37.26	43.46	43.55	60 dBA:	**97**	**107**
				Total:	**69.12**	**65.51**	**64.24**	**58.21**	**66.62**	**67.25**	55 dBA:	**208**	**230**

Road Name: Grand Avenue **Segment: West of Continental Boulevard**

Average Daily Traffic: 14560 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 77.19 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.77	-2.93	-1.20	61.75	59.63	58.31	52.30	60.72	61.35	70 dBA:	**19**	**21**
Medium Trucks	74.83	-16.47	-2.93	-1.20	54.23	32.98	39.00	20.71	33.85	36.60	65 dBA:	**42**	**46**
Heavy Trucks	80.05	-20.42	-2.93	-1.20	55.49	30.14	26.74	31.39	37.59	37.68	60 dBA:	**90**	**99**
				Total:	**63.25**	**59.64**	**58.37**	**52.34**	**60.75**	**61.38**	55 dBA:	**193**	**213**

Road Name: El Segundo Boulevard **Segment: East of Continental Boulevard**

Average Daily Traffic: 28740 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 153.24 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	2.90	-7.40	-1.20	61.66	59.29	57.99	51.94	60.37	61.00	70 dBA:	**42**	**45**
Medium Trucks	76.31	-11.97	-7.40	-1.20	55.74	36.54	28.75	37.96	44.12	44.15	65 dBA:	**90**	**98**
Heavy Trucks	81.16	-9.75	-7.40	-1.20	62.81	45.82	38.04	47.25	53.40	53.43	60 dBA:	**194**	**210**
				Total:	**65.74**	**59.50**	**58.04**	**53.33**	**61.25**	**61.78**	55 dBA:	**418**	**453**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: El Segundo Boulevard **Segment: East of Nash Street**

Average Daily Traffic: 35620 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.45 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	3.83	-1.86	-1.20	68.13	65.76	64.47	58.41	66.84	67.47	70 dBA:	**56**	**61**
Medium Trucks	76.31	-11.04	-1.86	-1.20	62.22	43.01	35.23	44.44	50.59	50.62	65 dBA:	**122**	**132**
Heavy Trucks	81.16	-8.82	-1.86	-1.20	69.28	52.29	44.51	53.72	59.87	59.91	60 dBA:	**262**	**284**
				Total:	**72.21**	**65.97**	**64.51**	**59.81**	**67.72**	**68.25**	55 dBA:	**564**	**612**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	g	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 54460 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	5.90	-12.53	-1.20	59.53	57.00	56.14	52.05	59.56	60.06	70 dBA:	**69**	**74**
Medium Trucks	76.31	-10.72	-12.53	-1.20	51.86	32.04	30.64	30.33	36.98	37.25	65 dBA:	**148**	**160**
Heavy Trucks	81.16	-14.10	-12.53	-1.20	53.33	29.79	25.63	29.68	36.03	36.13	60 dBA:	**320**	**345**
				Total:	**61.02**	**57.02**	**56.16**	**52.10**	**59.60**	**60.10**	55 dBA:	**689**	**744**

Road Name: Pacific Coast Highway **Segment: South of El Segundo Boulevard**

Average Daily Traffic: 63620 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.57	-12.53	-1.20	60.20	57.68	56.81	52.72	60.23	60.74	70 dBA:	**76**	**83**
Medium Trucks	76.31	-10.05	-12.53	-1.20	52.53	32.71	31.31	31.01	37.66	37.92	65 dBA:	**165**	**178**
Heavy Trucks	81.16	-13.42	-12.53	-1.20	54.01	30.47	26.30	30.35	36.70	36.81	60 dBA:	**355**	**383**
				Total:	**61.70**	**57.70**	**56.83**	**52.78**	**60.28**	**60.78**	55 dBA:	**764**	**825**

Road Name: Nash Street **Segment: North of Grand Avenue**

Average Daily Traffic: 13520 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 130 FEET FROM CENTERLINE (Equiv. Lane Dist: 128.29 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.45	-6.24	-1.20	58.12	56.00	54.68	48.67	57.09	57.72	70 dBA:	**18**	**20**
Medium Trucks	74.83	-16.79	-6.24	-1.20	50.60	29.35	35.37	17.08	30.22	32.97	65 dBA:	**39**	**43**
Heavy Trucks	80.05	-20.74	-6.24	-1.20	51.86	26.51	23.11	27.76	33.96	34.05	60 dBA:	**84**	**92**
				Total:	**59.62**	**56.01**	**54.74**	**48.71**	**57.12**	**57.75**	55 dBA:	**180**	**198**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: Nash Street **Segment: South of Grand Avenue**

Average Daily Traffic: 9880 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 188.84 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.91	-8.76	-1.20	54.24	52.11	50.80	44.79	53.21	53.84	70 dBA:	**15**	**16**
Medium Trucks	74.83	-18.15	-8.76	-1.20	46.72	25.47	31.49	13.20	26.34	29.09	65 dBA:	**31**	**34**
Heavy Trucks	80.05	-22.11	-8.76	-1.20	47.98	22.63	19.23	23.88	30.08	30.17	60 dBA:	**67**	**74**
				Total:	**55.74**	**52.13**	**50.86**	**44.83**	**53.24**	**53.87**	55 dBA:	**145**	**160**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 12340 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.05	3.67	-1.20	67.64	65.51	64.20	58.19	66.61	67.24	70 dBA:	**21**	**23**
Medium Trucks	74.83	-17.18	3.67	-1.20	60.12	38.87	44.89	26.60	39.74	42.49	65 dBA:	**45**	**50**
Heavy Trucks	80.05	-21.14	3.67	-1.20	61.38	36.03	32.63	37.28	43.48	43.57	60 dBA:	**97**	**107**
				Total:	**69.14**	**65.53**	**64.25**	**58.23**	**66.64**	**67.27**	55 dBA:	**209**	**230**

Road Name: Grand Avenue **Segment: West of Continental Boulevard**

Average Daily Traffic: 15400 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 77.19 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	1.02	-2.93	-1.20	61.99	59.87	58.56	52.54	60.96	61.59	70 dBA:	**20**	**22**
Medium Trucks	74.83	-16.22	-2.93	-1.20	54.47	33.22	39.24	20.95	34.09	36.85	65 dBA:	**43**	**48**
Heavy Trucks	80.05	-20.18	-2.93	-1.20	55.73	30.38	26.98	31.63	37.83	37.93	60 dBA:	**93**	**103**
				Total:	**63.50**	**59.88**	**58.61**	**52.58**	**60.99**	**61.62**	55 dBA:	**201**	**221**

Road Name: El Segundo Boulevard **Segment: East of Continental Boulevard**

Average Daily Traffic: 28950 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 153.24 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	2.93	-7.40	-1.20	61.69	59.32	58.02	51.97	60.40	61.03	70 dBA:	**42**	**45**
Medium Trucks	76.31	-11.94	-7.40	-1.20	55.77	36.57	28.79	37.99	44.15	44.18	65 dBA:	**90**	**98**
Heavy Trucks	81.16	-9.72	-7.40	-1.20	62.84	45.85	38.07	47.28	53.43	53.47	60 dBA:	**195**	**211**
				Total:	**65.77**	**59.53**	**58.07**	**53.37**	**61.28**	**61.81**	55 dBA:	**420**	**455**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: El Segundo Boulevard **Segment: East of Nash Street**

Average Daily Traffic: 35950 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.45 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	3.87	-1.86	-1.20	68.17	65.80	64.51	58.45	66.88	67.51	70 dBA:	**57**	**62**
Medium Trucks	76.31	-11.00	-1.86	-1.20	62.26	43.05	35.27	44.48	50.63	50.66	65 dBA:	**122**	**133**
Heavy Trucks	81.16	-8.78	-1.86	-1.20	69.32	52.33	44.55	53.76	59.91	59.95	60 dBA:	**263**	**286**
				Total:	**72.25**	**66.01**	**64.55**	**59.85**	**67.76**	**68.29**	55 dBA:	**567**	**615**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITHOUT PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	g	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 61850 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.45	-12.53	-1.20	60.08	57.56	56.69	52.60	60.11	60.61	70 dBA:	**75**	**81**
Medium Trucks	76.31	-10.17	-12.53	-1.20	52.41	32.59	31.19	30.88	37.53	37.80	65 dBA:	**162**	**174**
Heavy Trucks	81.16	-13.54	-12.53	-1.20	53.88	30.35	26.18	30.23	36.58	36.68	60 dBA:	**348**	**376**
				Total:	**61.58**	**57.58**	**56.71**	**52.66**	**60.15**	**60.65**	55 dBA:	**750**	**810**

Road Name: Pacific Coast Highway **Segment: South of El Segundo Boulevard**

Average Daily Traffic: 70250 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.00	-12.53	-1.20	60.63	58.11	57.25	53.16	60.66	61.17	70 dBA:	**82**	**88**
Medium Trucks	76.31	-9.62	-12.53	-1.20	52.96	33.14	31.74	31.44	38.09	38.35	65 dBA:	**176**	**190**
Heavy Trucks	81.16	-12.99	-12.53	-1.20	54.44	30.90	26.73	30.78	37.13	37.24	60 dBA:	**379**	**409**
				Total:	**62.13**	**58.13**	**57.26**	**53.21**	**60.71**	**61.21**	55 dBA:	**816**	**882**

Road Name: Nash Street **Segment: North of Grand Avenue**

Average Daily Traffic: 14090 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 130 FEET FROM CENTERLINE (Equiv. Lane Dist: 128.29 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.63	-6.24	-1.20	58.30	56.17	54.86	48.85	57.27	57.90	70 dBA:	**19**	**20**
Medium Trucks	74.83	-16.61	-6.24	-1.20	50.78	29.53	35.55	17.26	30.40	33.15	65 dBA:	**40**	**44**
Heavy Trucks	80.05	-20.56	-6.24	-1.20	52.04	26.69	23.29	27.94	34.14	34.23	60 dBA:	**86**	**95**
				Total:	**59.80**	**56.19**	**54.92**	**48.89**	**57.30**	**57.93**	55 dBA:	**185**	**204**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITHOUT PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: Nash Street **Segment: South of Grand Avenue**

Average Daily Traffic: 10120 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 188.84 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.81	-8.76	-1.20	54.34	52.22	50.91	44.89	53.31	53.94	70 dBA:	**15**	**16**
Medium Trucks	74.83	-18.05	-8.76	-1.20	46.82	25.57	31.59	13.30	26.44	29.20	65 dBA:	**32**	**35**
Heavy Trucks	80.05	-22.00	-8.76	-1.20	48.08	22.73	19.33	23.98	30.18	30.28	60 dBA:	**68**	**75**
				Total:	**55.85**	**52.23**	**50.96**	**44.93**	**53.34**	**53.97**	55 dBA:	**147**	**162**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 17110 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	1.47	3.67	-1.20	69.06	66.93	65.62	59.61	68.03	68.66	70 dBA:	**26**	**29**
Medium Trucks	74.83	-15.77	3.67	-1.20	61.54	40.29	46.31	28.01	41.16	43.91	65 dBA:	**56**	**62**
Heavy Trucks	80.05	-19.72	3.67	-1.20	62.80	37.45	34.05	38.70	44.90	44.99	60 dBA:	**121**	**133**
				Total:	**70.56**	**66.95**	**65.67**	**59.65**	**68.06**	**68.69**	55 dBA:	**260**	**286**

Road Name: Grand Avenue **Segment: West of Continental Boulevard**

Average Daily Traffic: 16780 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 77.19 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	1.39	-2.93	-1.20	62.37	60.24	58.93	52.92	61.34	61.96	70 dBA:	**21**	**23**
Medium Trucks	74.83	-15.85	-2.93	-1.20	54.85	33.60	39.62	21.32	34.47	37.22	65 dBA:	**46**	**50**
Heavy Trucks	80.05	-19.81	-2.93	-1.20	56.11	30.76	27.36	32.01	38.21	38.30	60 dBA:	**99**	**109**
				Total:	**63.87**	**60.26**	**58.98**	**52.96**	**61.37**	**62.00**	55 dBA:	**213**	**234**

Road Name: El Segundo Boulevard **Segment: East of Continental Boulevard**

Average Daily Traffic: 35950 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 153.24 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	3.87	-7.40	-1.20	62.63	60.26	58.96	52.91	61.34	61.97	70 dBA:	**48**	**53**
Medium Trucks	76.31	-11.00	-7.40	-1.20	56.72	37.51	29.73	38.93	45.09	45.12	65 dBA:	**104**	**113**
Heavy Trucks	81.16	-8.78	-7.40	-1.20	63.78	46.79	39.01	48.22	54.37	54.41	60 dBA:	**225**	**244**
				Total:	**66.71**	**60.47**	**59.01**	**54.31**	**62.22**	**62.75**	55 dBA:	**485**	**526**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITHOUT PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: El Segundo Boulevard **Segment: East of Nash Street**

Average Daily Traffic: 43730 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.45 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.72	-1.86	-1.20	69.02	66.65	65.36	59.30	67.73	68.36	70 dBA:	**65**	**70**
Medium Trucks	76.31	-10.15	-1.86	-1.20	63.11	43.90	36.12	45.33	51.48	51.51	65 dBA:	**139**	**151**
Heavy Trucks	81.16	-7.93	-1.86	-1.20	70.17	53.18	45.40	54.61	60.76	60.80	60 dBA:	**300**	**325**
				Total:	**73.10**	**66.86**	**65.41**	**60.70**	**68.61**	**69.14**	55 dBA:	**647**	**701**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	g	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 62050 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.47	-12.53	-1.20	60.09	57.57	56.71	52.62	60.12	60.63	70 dBA:	**75**	**81**
Medium Trucks	76.31	-10.16	-12.53	-1.20	52.43	32.60	31.21	30.90	37.55	37.81	65 dBA:	**162**	**175**
Heavy Trucks	81.16	-13.53	-12.53	-1.20	53.90	30.36	26.20	30.25	36.59	36.70	60 dBA:	**349**	**377**
				Total:	**61.59**	**57.59**	**56.72**	**52.67**	**60.17**	**60.67**	55 dBA:	**752**	**812**

Road Name: Pacific Coast Highway **Segment: South of El Segundo Boulevard**

Average Daily Traffic: 70350 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.01	-12.53	-1.20	60.64	58.11	57.25	53.16	60.67	61.17	70 dBA:	**82**	**88**
Medium Trucks	76.31	-9.61	-12.53	-1.20	52.97	33.15	31.75	31.44	38.09	38.36	65 dBA:	**176**	**190**
Heavy Trucks	81.16	-12.98	-12.53	-1.20	54.44	30.90	26.74	30.79	37.14	37.24	60 dBA:	**379**	**410**
				Total:	**62.14**	**58.14**	**57.27**	**53.22**	**60.71**	**61.21**	55 dBA:	**817**	**883**

Road Name: Nash Street **Segment: North of Grand Avenue**

Average Daily Traffic: 14250 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 130 FEET FROM CENTERLINE (Equiv. Lane Dist: 128.29 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.68	-6.24	-1.20	58.35	56.22	54.91	48.90	57.32	57.95	70 dBA:	**19**	**21**
Medium Trucks	74.83	-16.56	-6.24	-1.20	50.83	29.58	35.60	17.30	30.45	33.20	65 dBA:	**40**	**44**
Heavy Trucks	80.05	-20.52	-6.24	-1.20	52.09	26.74	23.34	27.99	34.19	34.28	60 dBA:	**87**	**95**
				Total:	**59.85**	**56.24**	**54.96**	**48.94**	**57.35**	**57.98**	55 dBA:	**186**	**205**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: Nash Street **Segment: South of Grand Avenue**

Average Daily Traffic: 10230 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 188.84 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.76	-8.76	-1.20	54.39	52.27	50.95	44.94	53.36	53.99	70 dBA:	**15**	**16**
Medium Trucks	74.83	-18.00	-8.76	-1.20	46.87	25.62	31.64	13.35	26.49	29.24	65 dBA:	**32**	**35**
Heavy Trucks	80.05	-21.95	-8.76	-1.20	48.13	22.78	19.38	24.03	30.23	30.32	60 dBA:	**69**	**76**
				Total:	**55.89**	**52.28**	**51.01**	**44.98**	**53.39**	**54.02**	55 dBA:	**148**	**163**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 17160 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	1.49	3.67	-1.20	69.07	66.95	65.63	59.62	68.04	68.67	70 dBA:	**26**	**29**
Medium Trucks	74.83	-15.75	3.67	-1.20	61.55	40.30	46.32	28.03	41.17	43.92	65 dBA:	**56**	**62**
Heavy Trucks	80.05	-19.71	3.67	-1.20	62.81	37.46	34.06	38.71	44.91	45.00	60 dBA:	**121**	**133**
				Total:	**70.57**	**66.96**	**65.69**	**59.66**	**68.07**	**68.70**	55 dBA:	**260**	**287**

Road Name: Grand Avenue **Segment: West of Continental Boulevard**

Average Daily Traffic: 17620 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 77.19 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	1.60	-2.93	-1.20	62.58	60.45	59.14	53.13	61.55	62.18	70 dBA:	**22**	**24**
Medium Trucks	74.83	-15.64	-2.93	-1.20	55.06	33.81	39.83	21.54	34.68	37.43	65 dBA:	**47**	**52**
Heavy Trucks	80.05	-19.59	-2.93	-1.20	56.32	30.97	27.57	32.22	38.42	38.51	60 dBA:	**102**	**112**
				Total:	**64.08**	**60.47**	**59.20**	**53.17**	**61.58**	**62.21**	55 dBA:	**220**	**242**

Road Name: El Segundo Boulevard **Segment: East of Continental Boulevard**

Average Daily Traffic: 36160 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 2 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 153.24 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	3.89	-7.40	-1.20	62.65	60.28	58.99	52.93	61.37	62.00	70 dBA:	**49**	**53**
Medium Trucks	76.31	-10.97	-7.40	-1.20	56.74	37.53	29.75	38.96	45.11	45.15	65 dBA:	**105**	**114**
Heavy Trucks	81.16	-8.75	-7.40	-1.20	63.81	46.82	39.03	48.24	54.40	54.43	60 dBA:	**226**	**245**
				Total:	**66.74**	**60.50**	**59.04**	**54.33**	**62.25**	**62.77**	55 dBA:	**487**	**528**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2024 WITH PROJECT CONDITIONS

Project: 1950-1960 East Grand Avenue
Site Conditions: Soft

Road Name: El Segundo Boulevard **Segment: East of Nash Street**

Average Daily Traffic: 44060 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.45 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	4.75	-1.86	-1.20	69.05	66.68	65.39	59.33	67.77	68.40	70 dBA:	**65**	**70**
Medium Trucks	76.31	-10.11	-1.86	-1.20	63.14	43.93	36.15	45.36	51.51	51.55	65 dBA:	**140**	**152**
Heavy Trucks	81.16	-7.90	-1.86	-1.20	70.21	53.22	45.43	54.64	60.80	60.83	60 dBA:	**302**	**327**
				Total:	**73.14**	**66.90**	**65.44**	**60.73**	**68.65**	**69.17**	55 dBA:	**650**	**705**

APPENDIX E

Operational Reference Noise Measurements Printouts

Measurement Report

Report Summary

Meter's File Name	831_Data.004	Computer's File Name	SLM_0002509_831_Data_004.02.ldbin
Meter	831		
Firmware	2.314		
User	GT	Location	
Description	Riverside - The Motorcycle Company - Phase 3		
Note	On Roof - Approx 6 feet from HVAC Unit		
Start Time	2020-05-09 13:23:15	Duration	0:10:00.2
End Time	2020-05-09 13:33:15	Run Time	0:10:00.2
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	65.1 dB		
LAE	92.9 dB	SEA	--- dB
EA	214.7 µPa²h		
LZ_{peak}	106.4 dB	2020-05-09 13:25:40	
LAS_{max}	80.1 dB	2020-05-09 13:25:19	
LAS_{min}	55.1 dB	2020-05-09 13:30:14	
LA_{eq}	65.1 dB		
LC_{eq}	78.1 dB	LC_{eq} - LA_{eq}	13.0 dB
LAI_{eq}	68.9 dB	LAI_{eq} - LA_{eq}	3.8 dB

Exceedances	Count	Duration
LAS > 65.0 dB	16	0:02:46.5
LAS > 85.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	65.1 dB	65.1 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	65.1 dB	65.1 dB	--- dB	--- dB

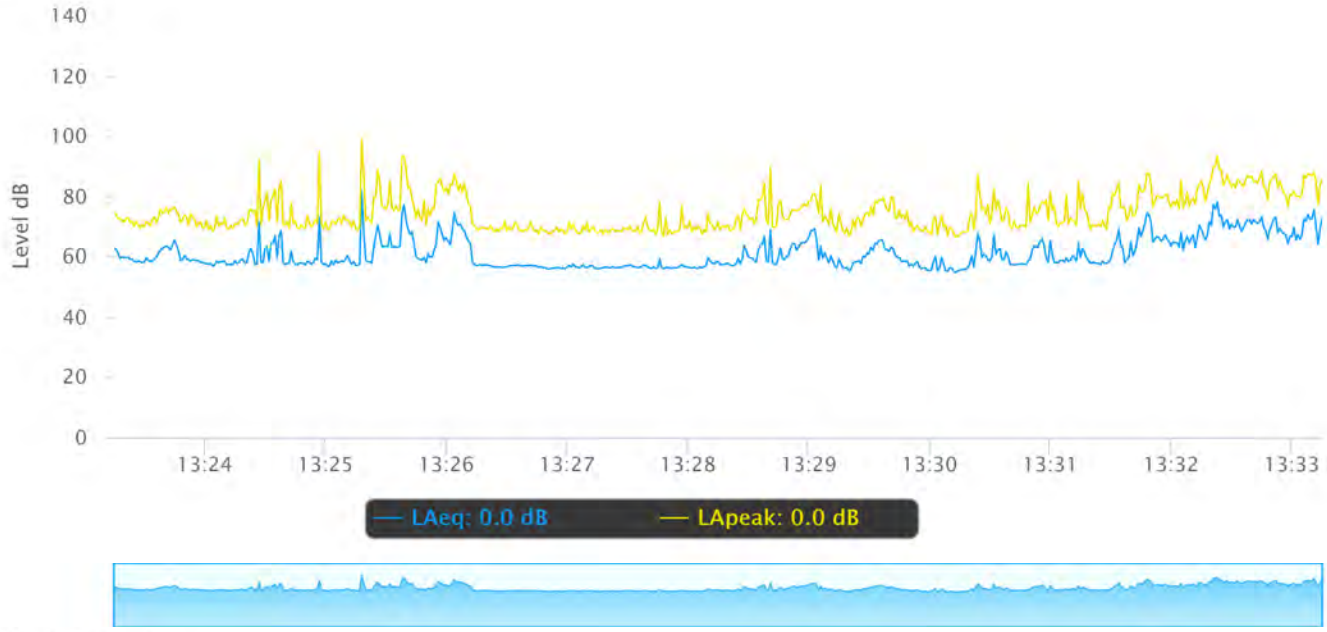
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	65.1 dB		78.1 dB		80.9 dB	
$LS_{(max)}$	80.1 dB	2020-05-09 13:25:19	91.6 dB	2020-05-09 13:26:05	97.4 dB	2020-05-09 13:23:15
$LF_{(max)}$	84.7 dB	2020-05-09 13:25:18	95.4 dB	2020-05-09 13:25:40	97.5 dB	2020-05-09 13:23:15
$LI_{(max)}$	86.7 dB	2020-05-09 13:25:18	97.5 dB	2020-05-09 13:25:40	99.6 dB	2020-05-09 13:23:15
$LS_{(min)}$	55.1 dB	2020-05-09 13:30:14	64.7 dB	2020-05-09 13:30:02	67.4 dB	2020-05-09 13:28:06
$LF_{(min)}$	54.3 dB	2020-05-09 13:30:13	63.0 dB	2020-05-09 13:30:12	65.8 dB	2020-05-09 13:27:31
$LI_{(min)}$	54.6 dB	2020-05-09 13:30:13	65.0 dB	2020-05-09 13:30:02	68.0 dB	2020-05-09 13:27:59
$L_{Peak(max)}$	98.9 dB	2020-05-09 13:25:18	105.7 dB	2020-05-09 13:25:40	106.4 dB	2020-05-09 13:25:40

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

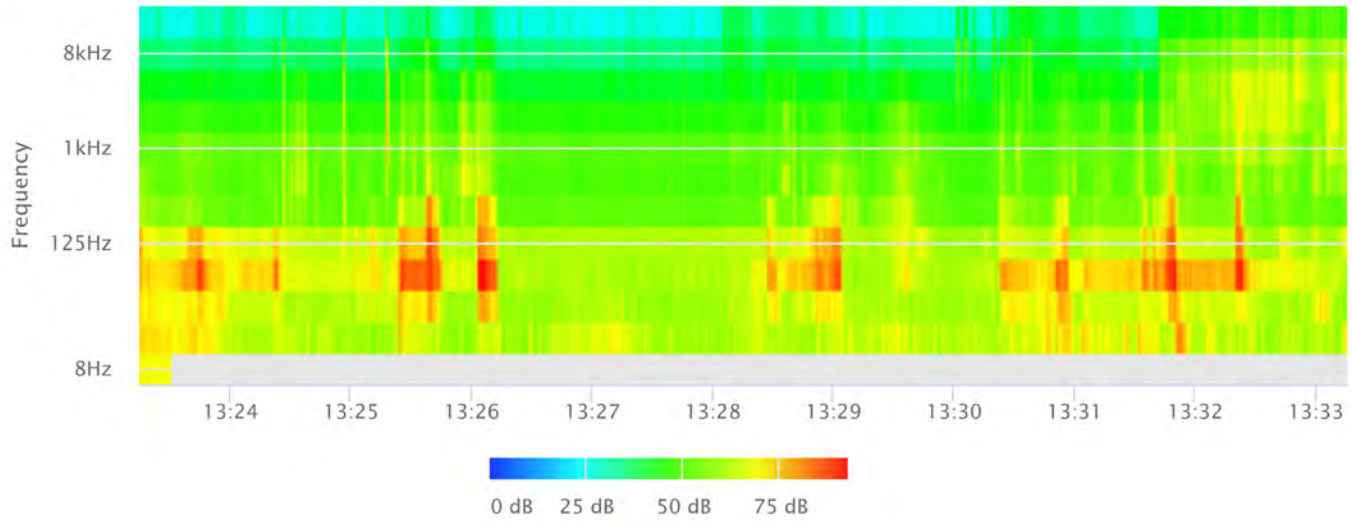
Statistics

LAS 5.0	71.5 dB
LAS 10.0	69.4 dB
LAS 33.3	62.7 dB
LAS 50.0	59.5 dB
LAS 66.6	58.1 dB
LAS 90.0	56.5 dB

Time History



OBA 1/1 Leq



General Information

Serial Number	02509
Model	831
Firmware Version	2.112
Filename	831_Data.002
User	GT
Job Description	Northwest Fresno Walmart Relocation
Location	Northwest Fresno Walmart
Measurement Description	
Start Time	Saturday, 2013 July 27 15:49:15
Stop Time	Saturday, 2013 July 27 16:09:15
Duration	00:20:00.6
Run Time	00:20:00.6
Pause	00:00:00.0
Pre Calibration	Saturday, 2013 July 27 13:36:08
Post Calibration	None
Calibration Deviation	---

Note

Located at the eastern portion of the southern parking lot and approx 140 feet south of the front door
96 F, 35% Humidity, 29.48 in Hg, 3 mph wind, partly cloudy

Overall Data

LAeq		63.1	dB
LASmax	2013 Jul 27 15:59:44	79.2	dB
LApeak (max)	2013 Jul 27 16:06:25	102.2	dB
LASmin	2013 Jul 27 15:50:20	49.6	dB
LCeq		74.0	dB
LAeq		63.1	dB
LCeq - LAeq		10.9	dB
LAIeq		67.4	dB
LAeq		63.1	dB
LAIeq - LAeq		4.3	dB
Ldn		63.1	dB
LDay 07:00-23:00		63.1	dB
LNight 23:00-07:00		---	dB
Lden		63.1	dB
LDay 07:00-19:00		63.1	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		93.9	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

LAS5.00	66.7	dBA
LAS10.00	66.3	dBA
LAS33.30	62.8	dBA
LAS50.00	61.7	dBA
LAS66.60	57.7	dBA
LAS90.00	52.8	dBA
LAS > 65.0 dB (Exceedence Counts / Duration)	17 / 347.8	s
LAS > 85.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0 / 0.0	s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamp	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	Bin Max	
Gain	+0	dB
Under Range Limit	26.1	dB
Under Range Peak	75.6	dB
Noise Floor	17.0	dB
Overload	143.1	dB

1/1 Spectra

Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1k	2k	4k	8k	16k
LZeq	66.7	66.1	71.1	71.6	64.9	59.5	59.6	58.3	56.2	51.8	46.8	44.6
LZSmax	82.6	84.9	82.2	89.3	77.1	67.1	72.4	76.6	76.6	69.0	67.7	63.1
LZSmin	46.5	55.4	53.6	59.0	55.2	49.9	45.5	43.6	40.9	37.7	39.6	42.8

1/3 Spectra

Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	63.6	61.5	59.8	58.7	60.7	63.4	67.2	66.6	65.3	65.7	67.5	67.2
LZSmax	80.9	76.9	73.6	75.5	79.8	83.7	80.9	76.8	78.9	83.8	87.4	88.8
LZSmin	37.3	40.3	43.7	45.3	48.2	51.5	55.9	60.4	54.9	53.2	57.5	47.0

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	61.7	61.0	54.9	52.9	57.0	53.2	57.3	54.1	52.1	54.5	53.3	52.7
LZSmax	76.0	71.0	69.8	65.8	64.6	65.6	67.0	71.0	67.1	65.9	72.9	73.0
LZSmin	52.1	48.8	46.7	42.4	46.2	44.6	43.2	38.5	38.6	39.0	39.4	38.2

Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	52.5	50.9	50.7	49.0	46.4	44.5	43.0	41.7	41.1	40.0	39.6	40.0
LZSmax	75.9	69.6	63.7	63.8	64.4	64.7	63.3	62.7	62.7	60.8	57.9	52.5
LZSmin	37.2	35.4	34.6	33.1	32.6	32.8	33.6	34.7	35.9	36.7	37.7	39.4

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.283 / 3.120
Name:
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer
Location: 30' N of vendor truck loading area for Fresno Walmart
Note1: Approx 70' S of Locust Ave CL
Note2: 52F, 29.57 in Hg, 67% Humid., no wind, clear sky

Overall Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Spectra

Date	Time	Run Time
19-May-2011	07:05:53	00:08:30.5

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	50.2		56.3		35.5		630	46.5		61.4		31.0	
16.0	50.9	55.5	56.1	61.5	37.1	41.8	800	45.4		60.8		30.5	
20.0	51.0		57.6		38.0		1000	44.5	49.3	56.1	63.9	31.7	35.6
25.0	55.8		57.5		41.1		1250	43.5		59.4		30.2	
31.5	57.7	61.6	57.1	63.3	46.2	49.9	1600	42.6		56.3		28.1	
40.0	56.7		60.3		46.3		2000	41.1	46.1	56.4	61.9	24.9	30.4
50.0	56.8		57.9		44.0		2500	40.0		58.4		21.7	
63.0	55.7	61.0	56.5	62.1	45.9	49.1	3150	40.2		60.8		19.4	
80.0	56.2		57.4		42.2		4000	39.5	43.8	58.6	63.4	18.7	24.1
100	55.6		55.1		42.3		5000	36.7		54.4		19.7	
125	54.3	59.2	59.0	63.8	40.7	45.7	6300	32.8		50.2		21.5	
160	52.8		61.0		39.4		8000	30.2	35.2	57.7	58.5	21.2	25.9
200	51.1		57.3		35.5		10000	25.4		41.5		20.5	
250	51.4	55.2	70.6	71.0	34.6	39.0	12500	22.9		32.2		19.4	
315	48.2		58.2		32.0		16000	20.8	26.5	27.4	33.9	19.1	24.4
400	47.0		59.0		30.1		20000	21.2		23.8		20.3	
500	47.0	51.6	64.3	66.9	30.4	35.3							

Ln Start Level: 15 dB

L1.00	0.0 dBA	L50.00	0.0 dBA	L95.00	0.0 dBA
L5.00	0.0 dBA	L90.00	0.0 dBA	L99.00	0.0 dBA

Detector: Slow
Weighting: A
SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
SPL Exceedance level 2: 120 dB Exceeded: 0 times
Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
Hysteresis: 2
Overloaded: 0 time(s)
Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176

Current Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Calibrated: 18-May-2011 13:09:02 Offset: -48.2 dB
Checked: 19-May-2011 06:46:08 Level: 113.9 dB
Calibrator not set Level: 114.0 dB
Cal Records Count: 0

Interval Records: Disabled Number Interval Records: 0
History Records: Disabled Number History Records: 0
Run/Stop Records: Number Run/Stop Records: 2

GENERAC® | INDUSTRIAL POWER

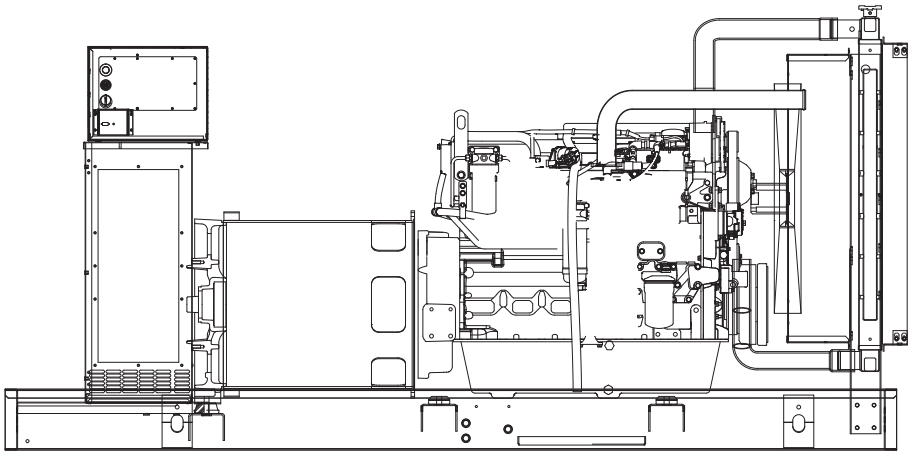
SD250

Industrial Diesel Generator Set

EPA Certified Stationary Emergency

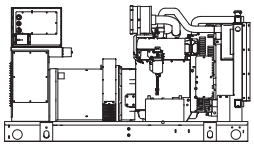
Standby Power Rating
313kVA 250kW 60Hz

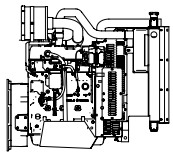
Prime Power Rating*
281kVA 225KW 60Hz

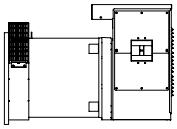


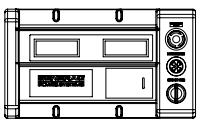
Generator image used for illustration purposes only

*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond









features benefits

Generator Set	
• PROTOTYPE & TORSIONALLY TESTED	▸ PROVIDES A PROVEN UNIT
• UL2200 TESTED	▸ ENSURES A QUALITY PRODUCT
• RHINOCOAT PAINT SYSTEM	▸ IMPROVES RESISTANCE TO ELEMENTS
• WIDE RANGE OF ENCLOSURES AND TANKS	▸ PROVIDES A SINGLE SOURCE SOLUTION
Engine	
• EPA COMPLIANT	▸ ENVIRONMENTALLY FRIENDLY
• INDUSTRIAL TESTED, GENERAC APPROVED	▸ ENSURES INDUSTRIAL STANDARDS
• POWER-MATCHED OUTPUT	▸ ENGINEERED FOR PERFORMANCE
• INDUSTRIAL GRADE	▸ IMPROVES LONGEVITY AND RELIABILITY
Alternator	
• TWO-THIRDS PITCH	▸ ELIMINATES HARMFUL 3RD HARMONIC
• LAYER WOUND ROTOR & STATOR	▸ IMPROVES COOLING
• CLASS H MATERIALS	▸ HEAT TOLERANT DESIGN
• DIGITAL 3-PHASE VOLTAGE CONTROL	▸ FAST AND ACCURATE RESPONSE
Controls	
• ENCAPSULATED BOARD W/ SEALED HARNESS	▸ EASY, AFFORDABLE REPLACEMENT
• 4-20mA VOLTAGE-TO-CURRENT SENSORS	▸ NOISE RESISTANT 24/7 MONITORING
• SURFACE-MOUNT TECHNOLOGY	▸ PROVIDES VIBRATION RESISTANCE
• ADVANCED DIAGNOSTICS & COMMUNICATIONS	▸ HARDENED RELIABILITY

primary codes and standards

NEMA c UL us LISTED NFPA ASTM ISO

GENERAC | INDUSTRIAL POWER

SD250 application and engineering data

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	6
Type	In-Line
Displacement - L (cu. in.)	8.7
Bore - mm (in.)	117 (4.61)
Stroke - mm (in.)	135 (5.31)
Compression Ratio	16.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head Type	4- Valve
Piston Type	Aluminum
Crankshaft Type	Dropped Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full-Flow
Crankcase Capacity - L (qts)	28 (29.57)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Flow	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed (rpm)	1854 rpm
Fan Diameter mm (in.)	762 (30.0)
Coolant Heater Wattage	2000
Coolant Heater Standard Voltage	240VAC

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Electronic
Fuel Pump Type	Engine Driven Gear
Injector Type	Common Rail
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	12.7(½")
Fuel Return Line - mm (in.)	12.7(½")

Engine Electrical System

System Voltage	24VDC
Battery Charging Alternator	Std
Battery Size (at 0ºC)	995 CCA
Battery Group	31
Battery Voltage	(2) - 12VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	520 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Permanent Magnent
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	± 0.25%

CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99	BS5514
NFPA 110	SAE J1349
ISO 8528-5	DIN6271
ISO 1708A.5	IEEE C62.41 TESTING
ISO 3046	NEMA ICS 1

Rating Definitions:
Standby – Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)
Prime – Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

SD250 operating data (60Hz)

POWER RATINGS (kW)

	STANDBY		PRIME	
Single-Phase 120/240VAC @1.0pf	250 kW	Amps: 1042	225 kW	Amps: 938
Three-Phase 120/208VAC @0.8pf	250 kW	Amps: 867	225 kW	Amps: 781
Three-Phase 120/240VAC @0.8pf	250 kW	Amps: 752	225 kW	Amps: 677
Three-Phase 277/480VAC @0.8pf	250 kW	Amps: 376	225 kW	Amps: 338
Three-Phase 346/600VAC @0.8pf	250 kW	Amps: 301	225 kW	Amps: 271

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

		480VAC						208/240VAC					
Alternator	kW	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	250	263	395	527	658	790	922	197	296	395	494	593	692
Upsize 1	300	303	454	605	757	908	1059	227	341	454	568	681	794
Upsize 2	350	383	575	767	958	1150	1342	280	410	535	640	770	900

FUEL

Fuel Pump Lift - in (mm)
36 (900)

Total Fuel Requirement Capacity - lph (gph)
98 (26)

Fuel Consumption Rates*

STANDBY			PRIME		
Percent Load	gph	lph	Percent Load	gph	lph
25%	5.5	20.8	25%	5	18.9
50%	10.4	39.4	50%	9.5	36.0
75%	14.8	56.0	75%	13.5	51.1
100%	18.5	70.0	100%	16.8	63.6

* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes.

COOLING

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	63.3 (240)	63.3 (240)
Heat Rejection to Coolant	BTU/hr	682,058	619,382
Inlet Air	cfm (m3/min)	8,872 (251)	8,872 (251)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	12.7 (49.2)	12.7 (49.2)
Maximum Radiator Backpressure	in H_2O	1.5	1.5

COMBUSTION AIR REQUIREMENTS

		STANDBY	PRIME
Flow at Rated Power	cfm (m3/min)	720 (20.39)	648 (18.35)

ENGINE

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	389	350
Piston Speed	ft/min	1593	1593
BMEP	psi	332	299

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

EXHAUST

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m^3/min)	1550 (43.9)	1395 (39.5)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	1000 (538)	900 (482)
Exhaust Outlet Size (Open Set)	NPT (male)	101.6 (4)	101.6 (4)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

GENERAC | INDUSTRIAL POWER

SD250

standard features and options

GENERATOR SET

●	Genset Vibration Isolation	Std
○	IBC Seismic Certified/Seismic Rated Vibration Isolators	Opt
○	Extended warranty	Opt
○	Gen-Link Communications Software	Opt
○	Steel Enclosure	Opt
○	Aluminum Enclosure	Opt

ENGINE SYSTEM

	General	
●	Oil Drain Extension	Std
○	Oil Make-Up System	Opt
○	Oil Heater	Opt
●	Air cleaner	Std
●	Fan guard	Std
●	Radiator duct adapter	Std

	Fuel System	
●	Fuel lockoff solenoid	Std
●	Secondary fuel filter	Std
●	Stainless steel flexible exhaust connection	Std
●	Industrial Exhaust Silencer	Std
○	Critical Exhaust Silencer	Opt
○	Flexible fuel lines	Opt
○	Primary fuel filter	Opt
○	Single Wall Tank (Export Only)	-
○	UL 142 Fuel Tank	Opt

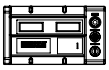
	Cooling System	
○	120VAC Coolant Heater	Opt
○	208VAC Coolant Heater	Opt
●	240VAC Coolant Heater	Std
○	Other Coolant Heater_____	-
●	Closed Coolant Recovery System	Std
●	UV/Ozone resistant hoses	Std
●	Factory-Installed Radiator	Std
●	Radiator Drain Extension	Std

	Engine Electrical System	
●	Battery charging alternator	Std
●	Battery cables	Std
●	Battery tray	Std
○	Battery box	Opt
○	Battery heater	Opt
●	Solenoid activated starter motor	Std
○	10A UL float/equalize battery charger	Opt
●	Rubber-booted engine electrical connections	Std

ALTERNATOR SYSTEM

●	UL2200 GENprotect™	Std
○	Main Line Circuit Breaker	Opt
○	2nd Circuit Breaker	Opt
○	3rd Circuit Breaker	-
○	Alternator Upsizing	Opt
○	Anti-Condensation Heater	Opt
○	Tropical coating	Opt
●	Permanent Magnet Generator	Std

CONTROL SYSTEM



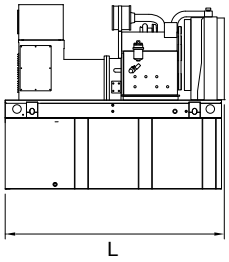
	Control Panel	
●	Digital H Control Panel - Dual 4x20 Display	Std
○	Digital G-100 Control Panel - Touchscreen	na
○	Digital G-200 Paralleling Control Panel - Touchscreen	na
●	Programmable Crank Limiter	Std
○	21-Light Remote Annunciator	Opt
○	Remote Relay Panel (8 or 16)	Opt
●	7-Day Programmable Exerciser	Std
●	Special Applications Programmable PLC	Std
●	RS-232	Std
●	RS-485	Std
●	All-Phase Sensing DVR	Std
●	Full System Status	Std
●	Utility Monitoring (Req. H-Transfer Switch)	Std
●	2-Wire Start Compatible	Std
●	Power Output (kW)	Std
●	Power Factor	Std
●	Reactive Power	Std
●	All phase AC Voltage	Std
●	All phase Currents	Std
●	Oil Pressure	Std
●	Coolant Temperature	Std
●	Coolant Level	Std
○	Oil Temperature	Opt
●	Fuel Pressure	Std
●	Engine Speed	Std
●	Battery Voltage	Std
●	Frequency	Std
●	Date/Time Fault History (Event Log)	Std
○	Low-Speed Exercise	-
●	Isochronous Governor Control	Std
●	-40deg C - 70deg C Operation	Std
●	Waterproof Plug-In Connectors	Std
●	Audible Alarms and Shutdowns	Std
●	Not in Auto (Flashing Light)	Std
●	Auto/Off/Manual Switch	Std
●	E-Stop (Red Mushroom-Type)	Std
○	Remote E-Stop (Break Glass-Type, Surface Mount)	Opt
○	Remote E-Stop (Red Mushroom-Type, Surface Mount)	Opt
○	Remote E-Stop (Red Mushroom-Type, Flush Mount)	Opt
●	NFPA 110 Level I and II (Programmable)	Std
●	Remote Communication - RS232	Std
○	Remote Communication - Modem	Opt
○	Remote Communication - Ethernet	Opt
○	10A Run Relay	Opt

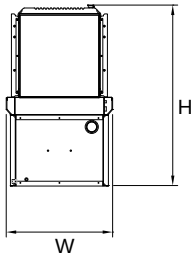
	Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)	
○	Low Fuel	Opt
●	Oil Pressure (Pre-programmed Low Pressure Shutdown)	Std
●	Coolant Temperature (Pre-programmed High Temp Shutdown)	Std
●	Coolant Level (Pre-programmed Low Level Shutdown)	Std
●	Oil Temperature	Std
●	Engine Speed (Pre-programmed Overspeed Shutdown)	Std
●	Voltage (Pre-programmed Overvoltage Shutdown)	Std
●	Battery Voltage	Std

	Other Options
○	_____
○	_____
○	_____

SD250

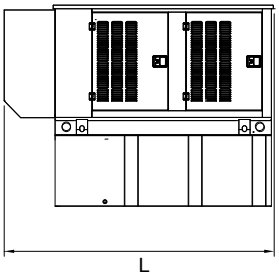
dimensions, weights and sound levels

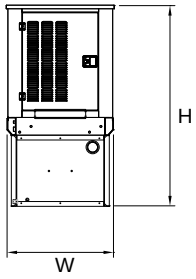




OPEN SET

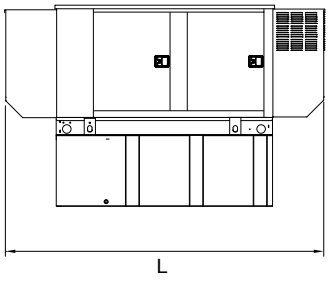
RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	128	54	58	5016	87
8	153	128	54	71	6021	
20	372	128	54	83	6443	
32	589	128	54	95	6860	
37	693	136	54	95	6581	
51	946	208	54	99	8041	
72	1325	278	54	99	9056	

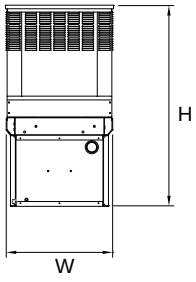




WEATHERPROOF ENCLOSURE

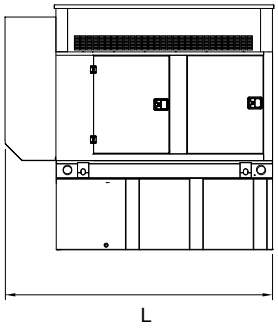
RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	155	54	70	6316	83
8	153	155	54	83	7321	
20	372	155	54	95	7743	
32	589	155	54	107	8160	
37	693	155	54	107	7881	
51	946	208	54	111	9341	
72	1325	278	54	111	10356	

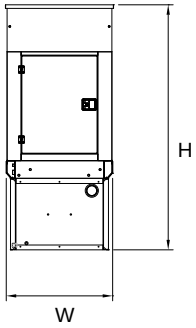




LEVEL 1 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	180	54	70	6820	76
8	153	180	54	83	7825	
20	372	180	54	95	8247	
32	589	180	54	107	8664	
37	693	180	54	107	8385	
51	946	234	54	111	9845	
72	1325	304	54	111	10860	





LEVEL 2 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	155	54	93	6663	74
8	153	155	54	106	7668	
20	372	155	54	118	8090	
32	589	155	54	130	8507	
37	693	155	54	130	8228	
51	946	208	54	132	9688	
72	1325	278	54	132	10703	

*All measurements are approximate and for estimation purposes only. Weights are without fuel in tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

Tank Options

○	MDEQ	OPT
○	Florida DERM/DEP	OPT
○	Chicago Fire Code	OPT
○	IFC Certification	CALL
○	ULC	CALL

Other Custom Options Available from your Generac Industrial Power Dealer

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

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Michael Baker
INTERNATIONAL

Appendix I
Project Transportation Impact Analysis

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1950-1960 East Grand Avenue Project,

El Segundo

Transportation Impact Analysis

Prepared for:
Artisan Realty Advisors

April 2022

LB20-0021

FEHR PEERS

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Appendix D: Detailed VMT Analysis Methodology

Appendix E: LOS Analysis Sheets

1. INTRODUCTION

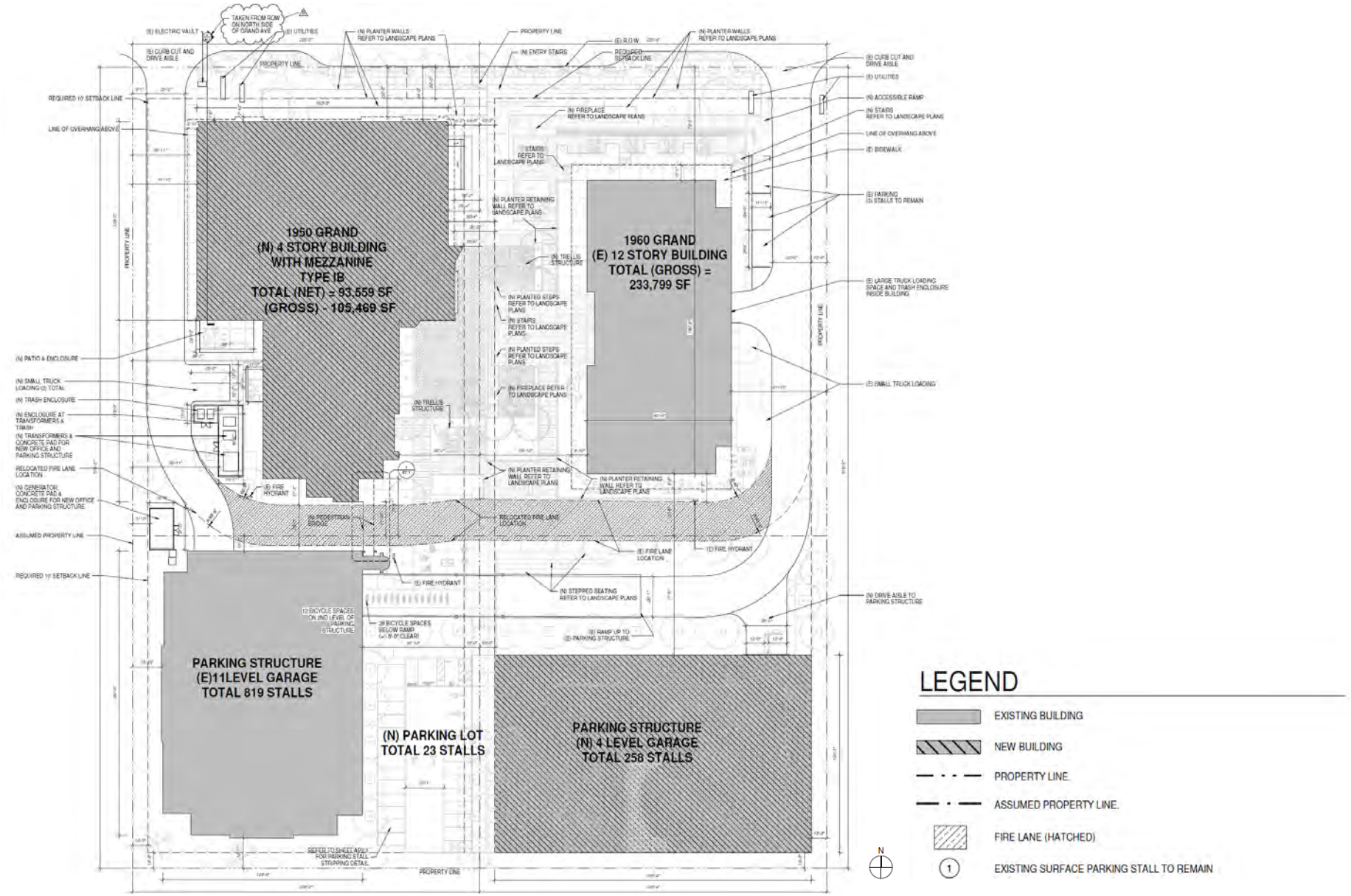
This report documents the assumptions, methodologies, and findings of a study conducted by Fehr & Peers to evaluate the potential transportation impacts of the 1950 Grand Avenue Project in the City of El Segundo (City). This study was conducted as part of an environmental document being prepared for the proposed Project.

PROJECT DESCRIPTION

The proposed 1950 Grand Avenue Project (the Project) involves the development of two adjacent parcels at 1950/1960 Grand Avenue. The Project proposes to construct a new four-story with mezzanine office building of 105,469 gross square feet (sf) and new 23-space surface parking lot on the west parcel, and a four-story parking structure with 258 spaces on the east parcel. An existing 12-story office building also exists on the east parcel and an 11-story parking structure exists on the west parcel. The Project will open in 2024.

The Project is on Grand Avenue between Pacific Coast Highway (PCH) and Continental Boulevard. The adjacent land uses are hotel and parking to the south, office uses to the east and west, and hotel and office uses to the north. The 405 Freeway, east of the Project site, and 105 Freeway, north of the Project site, provide regional access to the Project area. The Project is located approximately ½ mile from the Metro C (Green) Line El Segundo Station. Bus service provided by Metro, LADOT Commuter Express, and Torrance Transit also serve the Project site. **Figure 1** shows the site plan for the Project.

Vehicle access for the Project is to be provided via the two existing driveways to Grand Avenue. A passenger loading zone with a curb pull-out also already exists along the Grand Avenue frontage and will remain. The west driveway provides right-in/right-out access to the Project site. The east driveway provides full in/out access to the Project site. The existing and proposed parking structures are accessible via both driveways.



Source: Ware Malcomb, 2022.

Figure 1

Site Plan

STUDY SCOPE

The scope of work for this study was determined in consultation with the City of El Segundo. The base assumptions and technical methodologies were discussed with El Segundo as part of the study approach and agreed to in a scoping memo dated May 17, 2021. The scoping memo is included as **Appendix A** to this document.

VEHICLE MILES TRAVELED ANALYSIS

On September 27, 2013, Governor Jerry Brown signed Senate Bill (SB) 743 into law and started a process that fundamentally changed transportation impact analysis conducted as part of California Environmental Quality Act (CEQA) compliance. The Governor's Office of Planning and Research (OPR) was charged with developing new guidelines for evaluating transportation impacts under CEQA using methods that no longer focus on measuring automobile delay and level of service (LOS). This change at the state level recognizes the unintended consequences of using LOS as an impact metric, which results in understating potential transportation impacts in greenfield areas and discouraging more sustainable infill projects and alternative transportation projects. SB 743 directed agencies to create new guidelines that develop a transportation performance metric promoting: the reduction of greenhouse gas emissions, the development of multimodal networks, and a more sustainable diversity of land uses.

OPR issued proposed updates to the CEQA guidelines in support of these goals in November 2017 and a supporting technical advisory in December 2018 (OPR Advisory).[1] The updates establish vehicle miles traveled (VMT) as the primary metric for evaluating a project's environmental impacts on the transportation system. The changes to CEQA guidelines Section 15064.3 to implement SB 743 were certified by the State in December of 2018. Draft environmental impact reports published after July 1, 2020, are required to implement these new requirements.

As the City of El Segundo has not yet adopted their own transportation impact study guidelines including the VMT metric and significance criteria in compliance with SB 743 guidelines, VMT impact thresholds used for this project are based on subparagraph (b)(1) of section 15064.3, which sets forth the criteria for analyzing the transportation impacts associated with land use projects. That section provides, in its entirety:

> (1) Land Use Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

[1] State of California, Governor's Office of Planning and Research, *Technical Advisory on Evaluating Transportation Impacts in CEQA*, December 2018.

INTERSECTION ANALYSIS

This study includes intersection-level operational analysis under both the existing and future year traffic conditions for informational purposes and assumes that the Project would be completed by year 2024. The following traffic scenarios have been developed and analyzed as part of this study:

- Existing Conditions – The existing conditions analysis includes a description of the transportation system serving the Project site, existing traffic volumes, and an assessment of the operating conditions at the study analysis locations described below.
- Future Base (Year 2024) Conditions – Future traffic projections without the proposed Project were developed for the year 2024. The objective of this analysis was to project future traffic growth and operating conditions that could be expected to result from regional growth, related projects, and transportation network changes in the vicinity of the Project site by the year 2024.
- Future (Year 2024) plus Project Conditions – This traffic scenario provides projected traffic volumes and an assessment of operating conditions under future conditions with the addition of Project-generated traffic.

STUDY LOCATIONS

Six signalized intersections were selected for analysis in consultation with the City of El Segundo.

The following six signalized intersections, illustrated in **Figure 2**, were identified to be analyzed as part of the scope of work for this study:

1. Pacific Coast Highway & Grand Avenue
2. Continental Boulevard & Grand Avenue
3. Nash Street & Grand Avenue
4. Pacific Coast Highway & El Segundo Boulevard
5. Continental Boulevard & El Segundo Boulevard
6. Nash Street & El Segundo Boulevard

Lane configurations of the study intersections are illustrated in **Appendix B**.

ORGANIZATION OF REPORT

This report is divided into six chapters, including this introduction. Chapter 2 describes the existing conditions including an inventory of the streets, highways, and transit service in the study area. Chapter 3 describes the CEQA-required VMT impact analysis conducted for the Project. The non-CEQA-required intersection operational analysis is presented in Chapter 4, including the methodologies used to develop traffic forecasts. Chapter 5 provides an assessment of the proposed Project's access. Chapter 6 provides the summary and conclusions. Supporting analysis documents can be found in the Appendices.

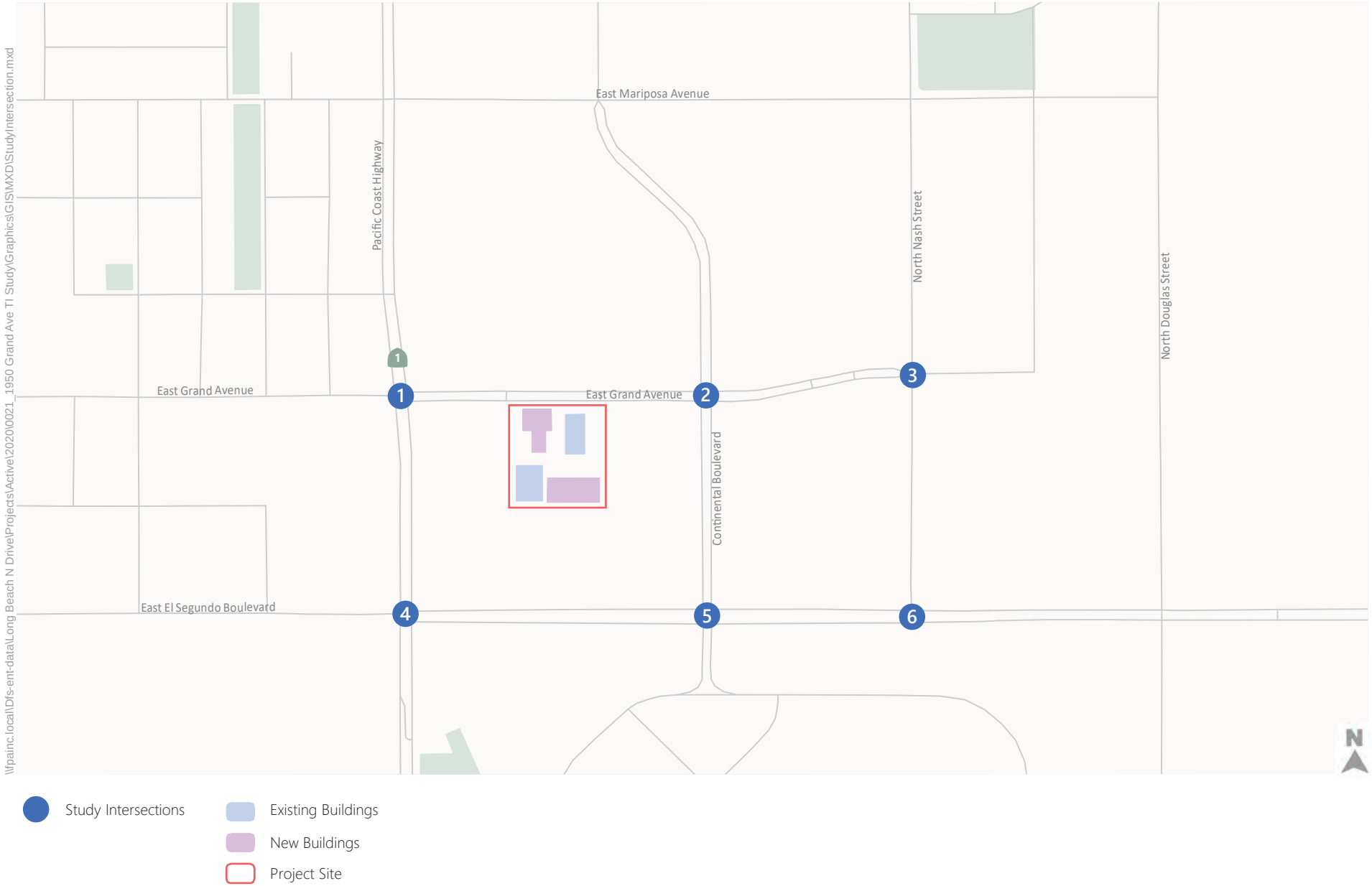


Figure 2

Study Area and Intersections

2. EXISTING CONDITIONS

A comprehensive data collection effort was undertaken to develop a detailed description of existing conditions in the study area. The assessment of conditions relevant to this study includes a description of the study area, an inventory of the local street system in the vicinity of the Project site, a summary of the current transit service, and bicycle and pedestrian facilities in the study area. A detailed description of these elements is presented in this chapter.

STUDY AREA

The study area selected for analysis extends to include the Pacific Coast Highway (PCH) to the west, Nash Street to the east, Grand Avenue to the north, and El Segundo Boulevard to the south. The streets in the study area are under the jurisdiction of the City of El Segundo with the exception of PCH, which is under the jurisdiction of Caltrans.

EXISTING STREET SYSTEM

Interstate 105 (I-105) lies less than a mile north of the site. This interstate provides regional access to and from the study area. The San Diego Freeway (I-405) located over a mile from the Project site to the east.

Major arterials serving the study area include PCH in the north/south direction and El Segundo Boulevard in the east/west direction. PCH and Nash Street provide access to I-105 and El Segundo Boulevard provides access to I-405 within the study area. The characteristics of the major roadways serving the study area are described below.

FREEWAYS

- **Interstate 105** runs in an east/west direction north of the project study area. In the vicinity of the study area, I-105 provides three to four lanes in each direction. Interchanges are provided at Nash Street and PCH in the study area.

- **Interstate 405** runs in a north/south direction east of the project study area. In the vicinity of the of the study area, I-405 provides four travel lanes and a carpool lane in each direction (a total of 10 lanes). Interchanges are provided via the I-105 and at El Segundo Boulevard in the study area.

EAST/WEST STREETS

- **Grand Avenue** is classified as a secondary arterial in the study area and runs along the north frontage of the Project site. It provides three lanes in both directions. Parking is not permitted along either side of the street in the study area.

- **El Segundo Boulevard** is classified as a major arterial east of PCH in the study area. It runs south of the Project site and provides two lanes west of PCH and three lanes east of PCH in both directions

with a raised median in the study area. Parking is not permitted along either side of the street in the study area.

NORTH/SOUTH STREETS

- **Pacific Coast Highway,** also known as State Route 1, is a major north/south state highway that runs along most of the Pacific coastline of California. It fronts the western side of the study area and provides four lanes in both directions with a center median within the study area. Parking is not permitted along either side of the road in the study area. Previously in the City of El Segundo, this major arterial was referred to as **Sepulveda Boulevard**.

- **Continental Boulevard** is classified as a secondary arterial in the study area and runs east of the Project site. It provides three lanes in both directions. Parking is not permitted along either side of the street in the study area.

- **Nash Street** is classified as a secondary arterial running east of the study area. It provides two lanes in both directions. Parking is not permitted along either side of the street in the study area.

EXISTING PUBLIC TRANSIT SERVICE

The Project site is served by both regional and local public transit. **Figure 3** shows the various bus and rail routes that provide service in the study area. Regional Transit includes the Metro C (Green) Line, Metro Local 232 and LADOT Commuter Express 574. Local Transit services include Torrance Transit Line 8, Beach Cities Transit Line 109, The El Segundo Lunchtime Shuttle, and Metro Micro's LAX/Inglewood Zone.

Details on the transit lines in the vicinity of the Project site include:

- Metro C (Green) Line – The Metro C (Green) Line is a light rail line running between Redondo Beach and Norwalk in Los Angeles County. This line runs north/southeast of the Project site along Nash Street. The Metro C (Green) Line has average headways of 12 minutes during the weekday peak periods. The El Segundo Station and the Mariposa Station are both less than a ½ mile from the Project site.

- Metro Line 232 – Line 232 provides local service between the City of El Segundo and downtown Long Beach. It runs along PCH east of the Project site in the study area. Line 232 has headways of approximately 15 minutes during the weekday peak periods. Line 232 provides a bus stop on Grand Avenue/ Continental Blvd in the westbound direction.

- LADOT Commuter Express 574 – Line 574 provides express service from Encino to the City of Hawthorne along PCH and El Segundo Boulevard, east and south of the Project site, respectively. Line 574 has headways of 30 to 60 minutes during weekday AM and PM peak periods. Line 574 provides the most direct connection to the Project site, providing a bus stop in both directions on Grand Avenue near Continental Blvd.

- Torrance Transit Line 8 – Line 8 provides service between the City of Torrance and Los Angeles International Airport (LAX). This line runs along Nash Street to the east of the Project site. Weekday headways during peak periods are approximately 30 minutes.

- Beach Cities Line 109 – Line 109 provides local service between the City of Redondo Beach and Los Angeles International Airport. This line runs east of the Project site along PCH. Line 109 has headways of 40 to 50 minutes during peak periods.

- El Segundo Lunchtime Shuttle – This shuttle connects El Segundo's business areas westward to Downtown El Segundo. The shuttle operates between 11:45AM-2:00PM on weekdays and passes along Grand Avenue directly in front of the Project site. Service is currently suspended due to the COVID-19 pandemic.

- Metro Micro LAX/Inglewood Zone – Metro Micro is a rideshare service meant to replace some local bus service for short trips and provide easier connections to other bus and rail service in the area. Service is provided by 10-passenger vans and are hailed using the Metro Micro App. The entire project study area is served by Metro Micro weekdays from 5AM-10AM and 2PM-7PM.

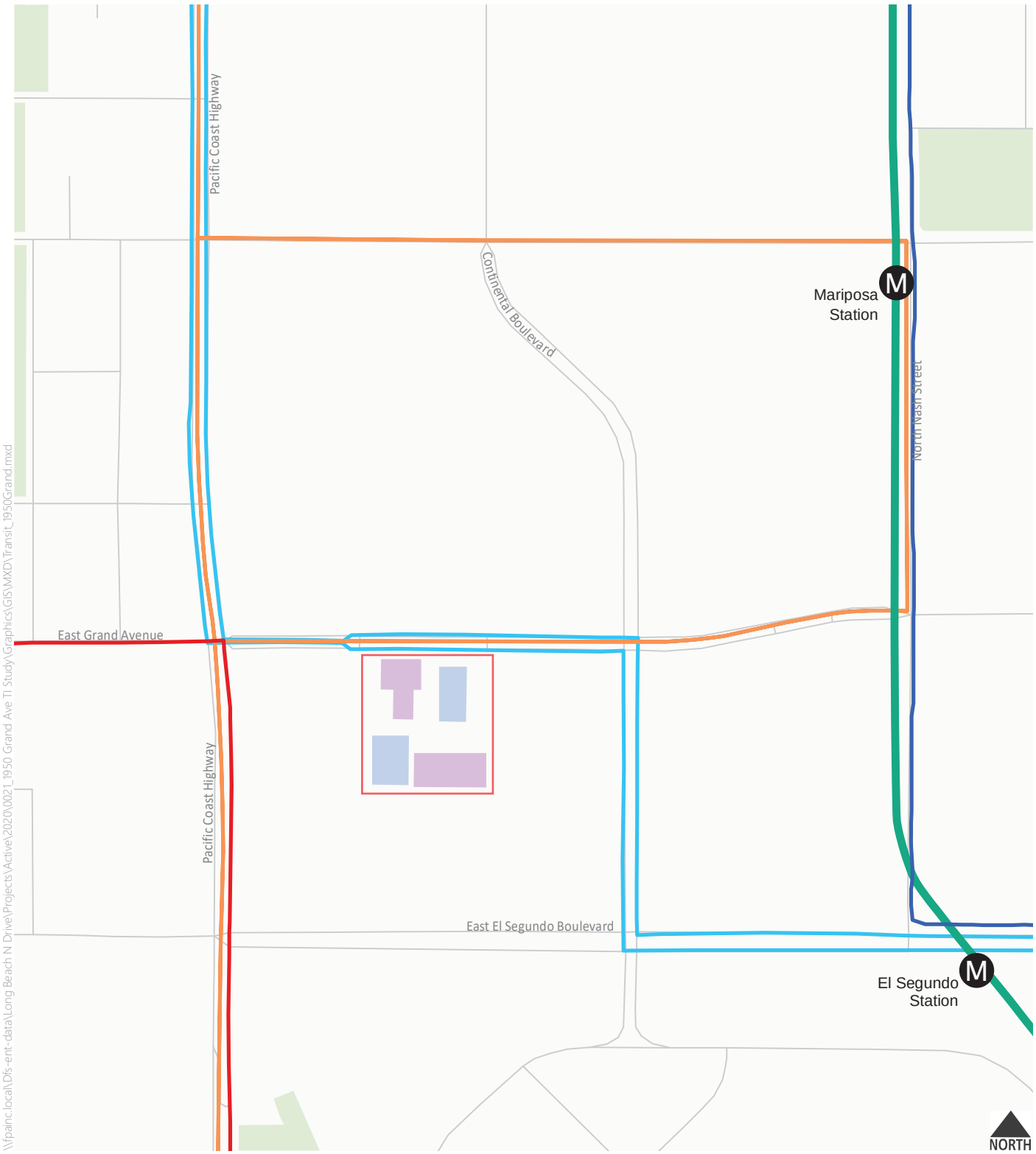
EXISTING BICYCLE AND PEDESTRIAN FACILITIES

Sidewalks are generally present throughout the study area, and marked crosswalks are provided at all major arterial intersections. Pedestrian access to the Project is provided along all the roadways in the vicinity of the Project.

A Class III bike route along Grand Avenue within the Project site study area is the only existing bicycle infrastructure available. In the project study area, the South Bay Bicycle Master Plan proposes installing a Class I bike path along El Segundo Boulevard, and a Class III bike route along Nash Street. **Figure 4** shows existing and proposed bicycle facilities in the study area.

EXISTING TRAFFIC VOLUMES

Due to the COVID-19 pandemic and the shelter-in-place orders from the Governor and County in April 2020, turning movements counts could not be collected at these intersections in 2020 or 2021 since they would not reflect typical conditions. Therefore, historical counts from 2016 and 2019 were used and an ambient growth factor of 0.2% per year was applied to adjust the traffic volumes to reflect baseline year 2020. The existing weekday morning and afternoon peak hour traffic volumes at the study intersections are provided in **Appendix B**. Count sheets for these intersections are contained in **Appendix C**.



Existing Buildings
New Buildings
Project Site

Regional Transit
Metro C (Green) Line
Metro C (Green) Line Stations
Metro Local Line 232
LADOT Commuter Express 574

Local Transit
Torrance Transit Line 8
Beach Cities Line 109

Figure 3

Existing Public Transit Routes

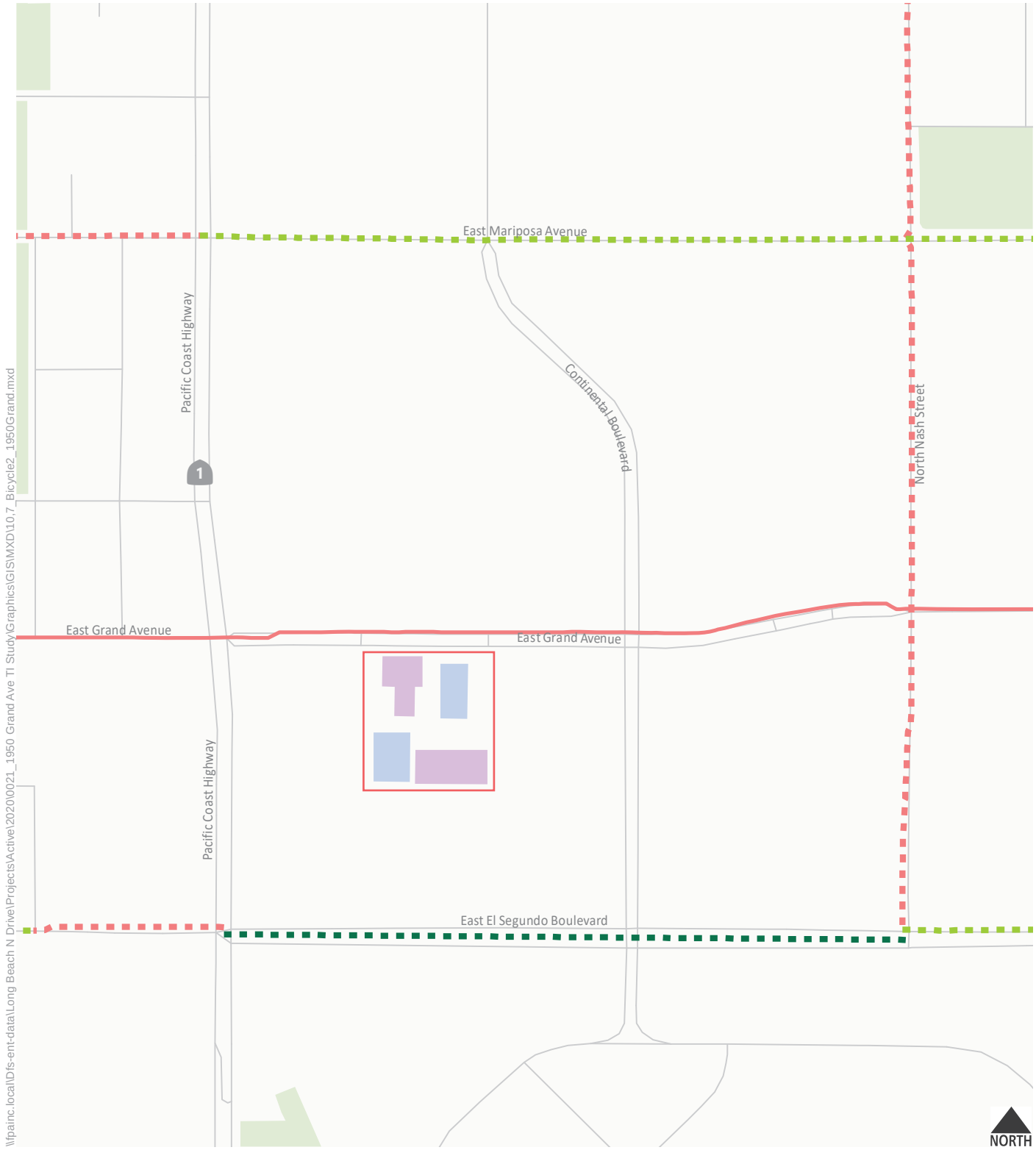


Figure 4

Existing and Proposed Bicycle Facilities

3. VEHICLE MILES TRAVELED ANALYSIS

This chapter presents the VMT impact analysis conducted for the Project in accordance with the State's updated CEQA guidance.

VEHICLE MILES TRAVELED IMPACT SIGNIFICANCE THRESHOLD

As the City of El Segundo has not yet adopted their own transportation impact study guidelines including the VMT metric and significance in compliance with SB 743 guidelines, the VMT screening and impact thresholds below are based on the OPR Advisory, Section 15064.3 of the CEQA Guidelines, and discussion with City of El Segundo staff and are used only for the purposes of this study.

Effective December 28, 2018, Section 15064.3 was added to the CEQA Guidelines, establishing VMT as the most appropriate measure of transportation impacts. Subparagraph (b)(1) of section 15064.3 sets forth the criteria for analyzing the transportation impacts associated with land use projects. That section provides, in its entirety:

> (1) Land Use Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

The Project's VMT were compared against the Southern California Association of Government (SCAG) region's daily work VMT per employee as the significance threshold. If the Project's daily work VMT per employee exceeds the SCAG region's existing daily work VMT per employee, this would indicate a significant transportation impact.

Table 1 summarizes the SCAG regional baseline VMT. The SCAG Regional Travel Demand Model (hereinafter, "SCAG model") is used for regional average VMT metrics and significance threshold (See **Appendix D** for detailed description of VMT calculations).[2] As shown in **Table 1**, per the Year 2016 SCAG model, the existing regional daily work VMT per employee for office land uses is 18.6 per employee, which is also the significance threshold for this Project.[3,4]

[2] Fehr & Peers has developed VMT post-processing tools to calculate VMT from the SCAG model.
[3] The SCAG 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) travel demand model was the most current RTP/SCS model available from SCAG at the time the modeling was prepared for the VMT analysis presented in this memo.
[4] Source: 2016 SCAG regional travel demand model as run by Fehr & Peers, March 2021.

TABLE 1

1950-1960 E GRAND AVENUE PROJECT

SCAG REGION DAILY VEHICLE MILES TRAVELED (VMT) SUMMARY [a]

VMT SUMMARY [b]	Home-Based Residential Productions	Home-Based Work Attractions
Population	18,859,864	N/A
Employment	N/A	7,971,327
Daily Vehicle Trips (VT)	26,655,458	9,618,629
Daily Vehicle Miles Traveled (VMT)	289,097,864	148,623,495
Average Trip Length (VMT/VT)	*23.7*	*15.5*
Capita Basis	Population	Employment
Daily VMT per Population	***15.3***	*N/A*
Daily VMT per Employee	*N/A*	***18.6***

Notes:

[a] The SCAG region consists of six counties (Los Angeles, Ventura, Orange, San Bernardino, Riverside, Imperial) in the southern California region.

[b] The Southern California Association of Governments (SCAG) Regional Travel Demand Model provides the ability to evaluate the transportation system in the SCAG region. The model forecasts AM and PM peak period and daily vehicle and transit flows on the transportation network in the region and calculates trip origins and destinations for those vehicle flows. The SCAG 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) travel demand model was the most current RTP/SCS model available from SCAG at the time the modeling was prepared for the VMT analysis presented in this memo. The Year 2016 model was used in this analysis. Fehr & Peers has developed VMT post-processing tools to calculate VMT from the SCAG model.

VEHICLE MILES TRAVELED SCREENING ANALYSIS

The OPR Advisory provide details on appropriate screening thresholds that can be used to identify when a proposed land use project is anticipated to result in a less than significant impact without conducting a more detailed analysis. OPR provided three screening thresholds: 1) Transit Proximity Screening, 2) Low VMT Area Screening, and 3) Small Project Screening. A land use project needs to only meet one of the following screening thresholds to be presumed to result in not significant impact under CEQA pursuant to SB 743.

1. Transit Proximity Screening

Projects located within a half mile of an existing major transit stop or within a half mile of an existing stop along a high-quality transit corridor can be screened out so long as the Project does not have a floor area ratio less than 0.75, does not include more parking than required by the jurisdiction, is not inconsistent with the applicable Sustainable Communities Strategy, and does not replace affordable residential units with a smaller number of moderate- or high-income residential units. A major transit stop is described as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. A high-quality transit corridor is described as a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

The Project is located within a half mile of an existing major transit stop, less than a half mile from the Metro C Line El Segundo and Mariposa Stations, as shown in **Figure 5**. Los Angeles Metro operates the C Line rail service on a scheduled 12-minute frequency in both the AM and PM frequency in both the AM and PM peak periods during weekdays.[5] While the Project meets the basic transit frequency and proximity criteria, OPR notes four additional conditions, described above, that must still be satisfied. The following paragraphs review the Project's applicability to those four conditions.

- The Project is proposed to have a Floor Area Ratio of 0.8, which is more than 0.75.[6]
- The Project proposes to construct a four-story with mezzanine office building of 105,469 square feet and new 23-space surface parking lot on the west parcel, and a four-story parking structure with 258 spaces on the east parcel. Pursuant to the City's Code of Ordinance, the Project is required to provide 263 parking spaces for the proposed new office building. The project proposes to provide 281 new parking stalls, which is more than required by the City. If taking into account the existing office building and parking space, the combined Project site will be provided with 1,103 parking spaces in total, which is more than 877 parking spaces as required by the City.[6] **Table 2** presents the land use information and applicable parking ratios to determine the number of spaces required.

[5] https://media.metro.net/documents/de1ed9d3-bc83-4bc5-af52-d7c4e87d8d30.pdf
[6] Source: Ware Malcomb, *Grand Avenue Planning Package,* December 2020.

- The Project is consistent with SCAG 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy, in which the Project site is designated as General Office Use in SCAG's General Plan land use. The Project is located in a Transit Priority Area according to SCAG's 2045 Plan.[7]

- The Project would not replace any affordable residential units.

Thus, the Project does not meet the transit proximity screening criteria, since it would provide more parking than required by the City.

2. Low VMT Area Screening

The OPR Advisory states that residential and office projects located within a low VMT generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. A low VMT generating area generally has higher density, a mix of land uses, and provides opportunities for people to walk to nearby uses instead of always driving. Low VMT areas for office projects are defined as areas that are currently generating daily work VMT per employee below the VMT threshold. As shown in **Figure 6**, the Project is not located in a low VMT TAZ. Therefore, the Project does not meet this screening criteria.

3. Small Project Screening

The OPR Advisory identifies local serving project types that may be presumed to have a less than significant impact absent substantial evidence to the contrary. These include uses such as resident and/or employee serving uses such as retail, daycare facilities, parks, gas stations, and the like. This screening criteria also allows for projects generating fewer than 110 daily trips to be screened out.

The Project consists of 105,469 square feet of new office space and is estimated to generate 976 daily trips. Therefore, the Project does not meet the small project screening criteria.

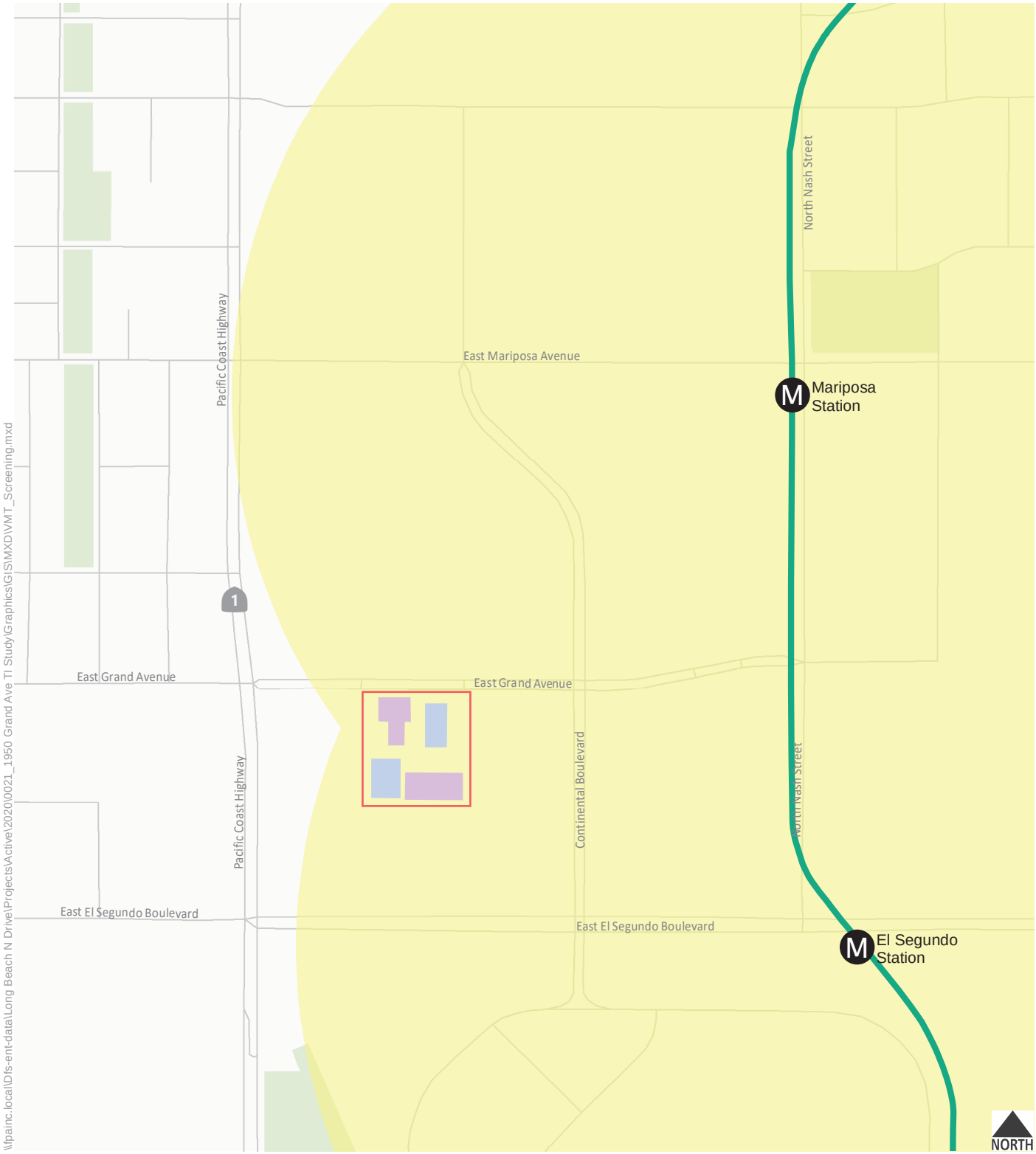
The Project is not screened out by any of the three criteria described above. Therefore, a VMT analysis would be required by the OPR Advisory.

[7] Southern California Association of Governments, *2020-2045 Regional Transportation Plan/Sustainable Communities Strategy*, September 2020.

TABLE 2
1950-1960 E GRAND AVENUE PROJECT
PARKING SUMMARY

Parcel	Types	Building Square Footage	City's parking requirement for General Office	Number Of Parking Spaces Required		Parking Provided [a]
Parcel 1 - 1950 Grand Ave	Proposed Office Building and Existing Parking Structure	105,469	1 space for each 300 square feet for the first 25,000 square feet; 1 space for each 350 square feet for the second 25,000 square feet; 1 space for each 400 square feet for the area in excess of 50,000 square feet.	25,000 SF/300=83 25,000 SF/350=71 43,559 SF/400=109	263	New Surface Parking: 23 Existing Parking Structure: 819 Total: 842 stalls
Parcel 2 - 1960 Grand Ave	Existing Office Building and Proposed Parking Structure	233,799		25,000 SF/300-83 25,000 SF/350=71 183,799 SF/400=460	614	New Parking Structure: 258 Existing Surface Parking: 3 Total: 261 stalls
				Sub Total - Proposed Parking	**263**	**281**
				Total Parking (Including Existing Buildings and Parking Stalls)	**877**	**1103**

Notes:
[a] Parking data from the Project Planning Package provided by Ware Malcomb, Dec 2020.



Existing Buildings

New Buildings

Project Site

Metro C (Green) Line Stations

Metro C (Green) Line

Half Mile Buffer

Figure 5

Transit Proximity Screening

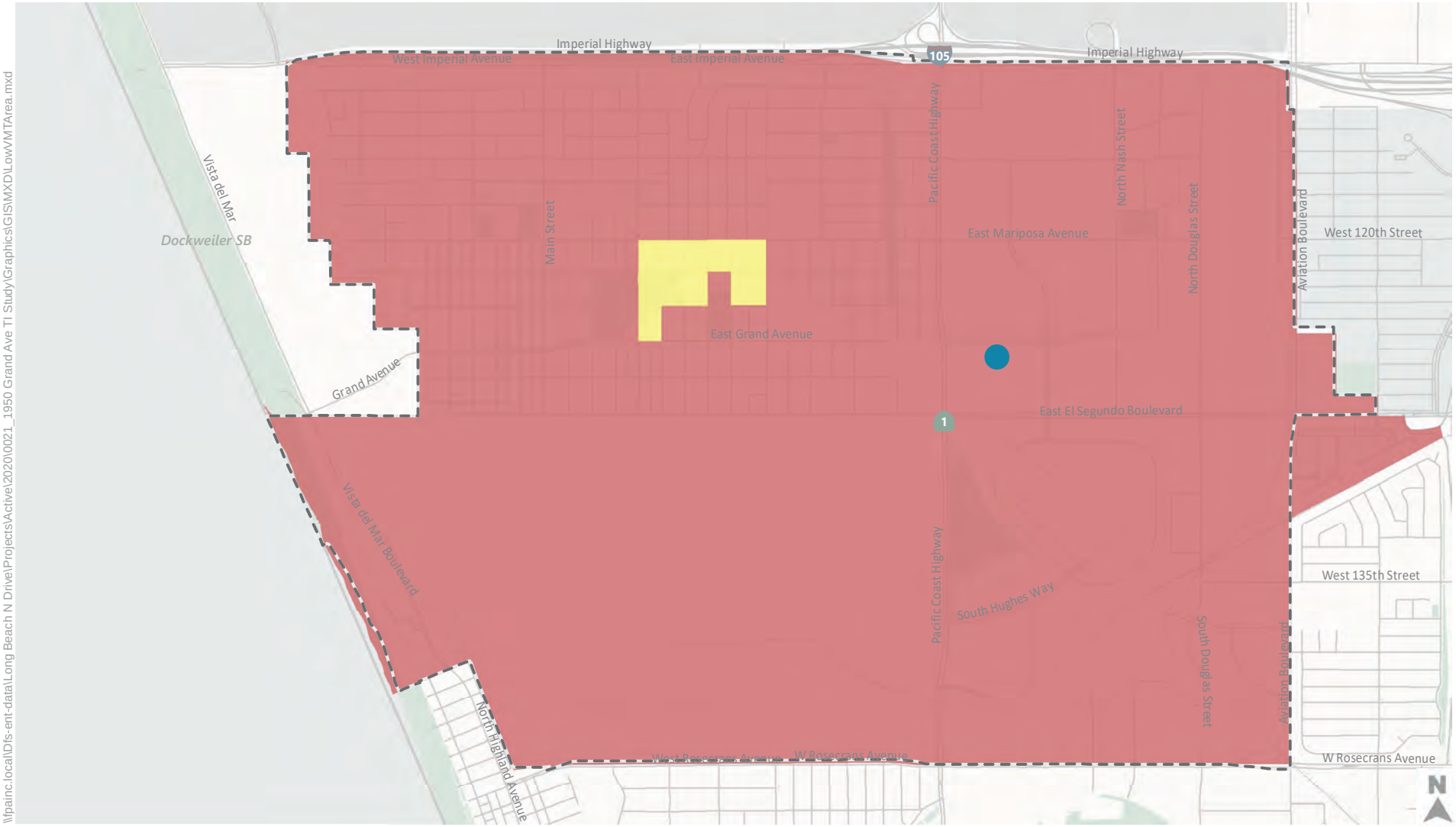


Figure 6

Daily Work VMT per Employee Compared to SCAG Region Average

VEHICLE MILES TRAVELED IMPACT ANALYSIS

VMT Methodology

The Project's daily work VMT per employee was determined by using the Year 2016 SCAG model.[8] The SCAG model is a trip-based model that generates daily person trip-ends for each TAZ across various trip purposes (Home-based-work, home-based-other, and non-home-based for example) based on population, household, and employment variables. Production and attraction trip-ends are separately calculated for each zone, and generally: production trip-ends are generated by residential land uses and attraction trip-ends are generated by non-residential land uses. The average trip length and vehicle trips for home-based-work attractions are used to calculate the daily VMT per employee for office uses. **Appendix D** describes detailed methodology and steps of VMT calculations using the SCAG model for the Project.

Project VMT per Employee

Office is already an existing land use in the transportation analysis zone (TAZ) located in the City of El Segundo in which the Project is located so the model therefore includes home-based work attraction trips and average trip lengths. It is assumed that the Project's home-based work attraction trips will have similar characteristics as the existing home-based work attraction trips in the zone. The VMT per employee assumed for the Project site was therefore based on the vehicle trips and average trip lengths for the TAZ in which the Project is located from the SCAG model, which indicates a daily work VMT per employee of 19.30 for all home-based work attraction trips within the TAZ.[9]

Table 3 summarizes VMT of the TAZ in which the Project is located. **Table 4** summarizes the Project VMT impact analysis.

VMT per Employee Impact Analysis

As shown in **Table 1**, per the SCAG model, the existing regional daily work VMT per employee for office land uses is 18.6 per employee, which is also the significance threshold. The Project is estimated to generate 19.3 daily work VMT per employee, which is higher than the threshold. This indicates a significant VMT impact according to the threshold.

[8] The SCAG 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) travel demand model was the most current RTP/SCS model available from SCAG at the time the modeling was prepared for the VMT analysis presented in this traffic study.
[9] Source: SCAG regional travel demand model as run by Fehr & Peers, March 2021.

TABLE 3

1950-1960 E GRAND AVENUE PROJECT

PROJECT TAZ DAILY VEHICLE MILES TRAVELED (VMT) SUMMARY [a]

VMT SUMMARY [b]	Home-Based Residential Productions	Home-Based Work Attractions
Population	1	N/A
Employment	N/A	8,849
Daily Vehicle Trips (VT)	0	10,419
Daily Vehicle Miles Traveled (VMT)	0	171,221
Average Trip Length (VMT/VT)	*N/A*	*16.4*
Capita Basis	Population	Employment
Daily VMT per Population	***0***	*N/A*
Daily VMT per Employee	*N/A*	***19.3***

Notes:

[a] The Project is located in TAZ 21138100.

[b] The Southern California Association of Governments (SCAG) Regional Travel Demand Model provides the ability to evaluate the transportation system in the SCAG region. The model forecasts AM and PM peak period and daily vehicle and transit flows on the transportation network in the region and calculates trip origins and destinations for those vehicle flows. The SCAG 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) travel demand model was the most current RTP/SCS model available from SCAG at the time the modeling was prepared for the VMT analysis presented in this memo. The Year 2016 model was used in this analysis. Fehr & Peers has developed VMT post-processing tools to calculate VMT from the SCAG model.

TABLE 4
1950-1960 E GRAND AVENUE PROJECT
PROJECT DAILY VEHICLE MILES TRAVELED (VMT) ANALYSIS

OFFICE PROJECT VMT IMPACT ANALYSIS	
Regional Daily Home Based Work VMT per Employee [a]	18.6
Threshold (Regional Daily VMT per Employee) [b]	18.6
Project TAZ 21138100 Daily Home Based Work VMT per Employee [a]	19.3
Significant Impact	**YES**

Notes:

[a] The Southern California Association of Governments (SCAG) Regional Travel Demand Model provides the ability to evaluate the transportation system in the SCAG region. The model forecasts AM and PM peak period and daily vehicle and transit flows on the transportation network in the region and calculates trip origins and destinations for those vehicle flows. Home-based work VMT per employee is based on the home-based work attraction trips from the Year 2016 SCAG model as run by Fehr & Peers, March 2021.

[b] Threshold based on Section 15064.3 of the CEQA Guidelines and discussion with City of El Segundo.

MITIGATION MEASURES

It is recommended that the Project develop and implement a transportation demand management (TDM) program as mitigation to reduce the trip generation and VMT impacts of the Project. A TDM program consists of strategies that are aimed at discouraging single-occupancy vehicle trips and encouraging alternative modes of transportation, such as carpooling, taking transit, walking, and biking.

The City of El Segundo has developed a list of potential TDM strategies appropriate for their jurisdiction and what magnitude of VMT reduction could be achieved. The selection process was guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations found in the 2010 publication Quantifying Greenhouse Gas Mitigation Measures. The area context of the City of El Segundo also influenced the type of TDM strategies that were selected. CAPCOA has found strategies with the largest VMT reduction in rural areas include vanpools, telecommute or alternative work schedules, and master planned communities with design and land-use diversity to encourage intra-community travel. Based on empirical evidence, CAPCOA found the cross-category maximum for all transportation-related mitigation measures is 15% for suburban settings.[10]

TDM Program

A TDM program should be implemented for the proposed Project to offset the VMT impact.

The following potential TDM strategy would be applicable for employees working at the proposed Project:

- Workplace Parking Pricing - Separates parking from property costs, requiring office tenants who wish to lease parking spaces to do so at an additional cost to the office lease cost. Parking is priced separately from office leases and must include a mechanism for ensuring that the parking costs are passed through to the employees utilizing the parking spaces. Access to the garages will be controlled by a gate arm that can be accessed via an access card. Employees in the new building will be provided an access card to the garages if they opt to pay for a parking space.
- Transit Subsidies - Providing employees with free transit passes
- Promotions & Marketing - Involves the use of marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. Marketing and public information campaign to promote awareness of TDM program with an on-site coordinator to monitor the program
- Emergency Ride Home - Providing a taxi or transportation network company (TNC) voucher for employees to travel home in an emergency

[10] A cross-category maximum is provided for any combination of land use, neighborhood enhancements, parking, and transit strategies.

- Bike Share - Implementing bike share to allow people to have on-demand access to a bicycle
- Bicycle Amenities - Bicycle showers, repair stations, and secure bicycle parking
- Pedestrian Network Improvements - Implementing pedestrian network improvements throughout and around the Project site that encourage people to walk to nearby destinations and transit stops
- Carpool/Vanpool Incentives – Providing monetary assistance with fares, gas costs, or parking costs for carpool or vanpool users
- Ridematch Program – Assisting potential carpoolers in finding other individuals with similar travel routes in either closed or open systems
- Carshare Program – Providing carshare programs to employees

The TDM program should include the individual TDM measures and a monitoring program.

Effectiveness

In order to mitigate the work VMT per employee impacts to a level less than significant, the daily work VMT per employee would need to be reduced by 0.7 daily work VMT per employee or approximately 3.6%. In terms of commute trip reduction, this is equivalent to 36 daily trips (3.6% of 976 daily trips estimated for the Project).

The Fehr & Peers TDM+ tool was used to quantify the potential VMT reduction for the Project due to implementation of these TDM measures. The effectiveness of the TDM strategies included in the TDM+ tool is based primarily on research documented in the 2010 California Air Pollution Control Officers Association (CAPCOA) publication, *Quantifying Greenhouse Gas Mitigation Measures* – which is currently undergoing an update with more current research findings reflected in the latest version of the TDM+ tool. CAPCOA offers methodologies based on preferred literature, along with methodologies based on alternative literature, for each strategy. The TDM+ tool considers a variety of TDM strategies and the setting in which they may apply, estimates effectiveness for each, and applies caps when appropriate (for example, simply aggregating the effectiveness of individual TDM measures can sometimes yield a result that is overestimated since more than one measure may be targeting the same trip). The reductions are presented as a range from "Low/CEQA" (i.e. highly defensible and suitable for use in environmental analysis documents or to mitigate a VMT impact) to "High/Ambitious" (the highest reduction for a given program, suitable for use for planning purposes). For the purposes of this analysis, the "Low/CEQA" reductions (i.e., the low end of the range) were considered.

As shown in **Figure 7**, the tool estimates a VMT reduction of 9% for the TDM measures developed for the Project. As shown in **Table 5**, a VMT reduction of 9% applied to the Project's daily work VMT is 1.7, bringing the daily work VMT per employee to 17.6. A commute trip reduction of 9% applied to the Project's daily trips is 88 trips. The TDM measures developed for the Project would therefore mitigate the Project's VMT impact to less than significant levels.

TDM Reduction Summary Report: 1950 Grand Avenue Project - Proposed Project

Overall VMT Reduction: 9% to 40%

	VMT % Reduction by Land Use			
Parking				
Parking1A: Increased Off-Street Fees	6% to 11%			
Parking1B: Increased On-Street Fees				
Parking1D: Unbundled Parking				
Parking1E: Pay-as-you-Go Parking Rates				
Parking 2: Parking Supply				
Transit				
Transit 1: Subsidies	up to 3%			
Transit 2A: Transit Frequency				
Transit 2B: Transit Coverage				
Transit 3A: Private Point-to-Point Shuttles				
Transit 3B: Last Mile Shuttle				
Commute Programs				
Commute 1A: Commuter Incentives				
Commute 2: Commute Marketing Program	3% to 21%			
Commute 3: ERH	up to 1%			
Commute 4: TNC Partnerships				
Bike and Walk				
BikeWalk1: Secure Parking	up to 1%			
BikeWalk2: Showers & Lockers	up to 1%			
BikeWalk3: End of Trip Repair Stations	up to 1%			
BikeWalk 4: Pedestrian-Oriented Design	up to 2%			
BikeWalk 5: Bikeshare System & Subsidies	up to 1%			
Rideshare				
Rideshare 1: Carpool/Vanpool Incentives	up to 6%			
Rideshare 2: Ridematch Program	up to 2%			
Rideshare 3: Carshare	up to 1%			
Rideshare 4: Carshare Subsidy				
Total				
Total of all Measures	9% to 40%			

Prepared by Fehr Peers
using TDM+ 2019

Figure 7
Report generated on 11/17/2021

TABLE 5
1950-1960 E GRAND AVENUE PROJECT
PROJECT DAILY VEHICLE MILES TRAVELED (VMT) WITH MITIGATION

OFFICE PROJECT VMT IMPACT ANALYSIS

Regional Daily Home Based Work VMT per Employee [a]	18.6
Threshold (Regional Daily Work VMT per Employee) [b]	18.6
Project TAZ 21138100 Daily Home Based Work VMT per Employee [a]	19.3
Significant Impact	**YES**
Project Daily Trips [c]	976
Reduction in Daily Work VMT per Employee Needed to Mitigate Impact	0.7
Percent Reduction in Daily Work VMT Needed to Mitigate Impact	3.6%
Commute Trip Reduction Needed	36
% TDM Reduction	9%
Daily Work VMT per Employee Reduction	1.7
Mitigated Daily Work VMT per Employee	17.6
Commute Trip Reduction	88
Significant Impact With Mitigation	**NO**

Notes:

[a] The Southern California Association of Governments (SCAG) Regional Travel Demand Model provides the ability to evaluate the transportation system in the SCAG region. The model forecasts AM and PM peak period and daily vehicle and transit flows on the transportation network in the region and calculates trip origins and destinations for those vehicle flows. Home-based work VMT per employee is based on the home-based work attraction trips from the Year 2016 SCAG model as run by Fehr & Peers, March 2021.

[b] Threshold based on Section 15064.3 of the CEQA Guidelines and discussion with City of El Segundo.

[c] Daily trips were calculated using Institute of Transportation Engineers (ITE) *Trip Generation, 10th Edition* (2017) with a 5% walk/bike/transit credit due to the site's proximity to bus service on PCH, Grand Avenue, and Nash Street and Metro C (Green) Line El Segundo Station.

4. INTERSECTION LEVEL OF SERVICE ANALYSIS

This chapter presents the intersection operational analysis conducted as part of the transportation study. Since, as discussed in Chapter 1, intersection level of service is no longer a CEQA impact metric, this analysis is presented for informational purposes.

EXISTING TRAFFIC VOLUMES AND LEVEL OF SERVICE

This section presents existing base peak hour traffic volumes, describes the methodology used to assess the traffic conditions at each intersection, and analyzes the resulting operating conditions at each, indicating volume-to-capacity (V/C) ratios and levels of service.

LEVEL OF SERVICE METHODOLOGY

Analysis Methodology

LOS is a qualitative measure used to describe the condition of traffic flow on the street system, ranging from excellent conditions at LOS A to overloaded conditions at LOS F. A variety of methodologies are available to analyze LOS. Consistent with the requirements of the City of El Segundo, signalized intersections were analyzed using the Intersection Capacity Utilization (ICU) methodology. The ICU methodology is used to determine the intersection volume-to-capacity (V/C) ratio and corresponding LOS for the turning movements and intersection characteristics at the signalized intersections. "Capacity" represents the maximum volume of vehicles in the critical lanes that have a reasonable expectation of passing through an intersection in one hour under prevailing roadway and traffic conditions. The ICU ratios used in this study were calculated by dividing critical traffic movement volumes at an intersection by the capacity per number of lanes for the movement. AM and PM peak hour ICU ratios and LOS were calculated using Fehr & Peers' ICU spreadsheet tool. Lane capacity assumptions do not exceed 1,600 vehicles per lane per hour.

The six identified intersections in the study area are signalized intersections. For these signalized intersections, the V/C ratio used to find the corresponding LOS is based on the definitions in **Table 6A**.

For the two Project driveways, the *Highway Capacity Manual* (HCM) (Transportation Research Board, 2016) methodology was used to analyze the delay. Under HCM methodology, delay is calculated in seconds for the stop-controlled movements and given a LOS grade, as shown in **Table 6B**. The Project driveways (unsignalized intersections) were analyzed using the HCM 6th Edition Two-way Stop Control methodology. The Synchro software package was used to produce the HCM results.

TABLE 6A
LEVEL OF SERVICE DEFINITIONS FOR SIGNALIZED INTERSECTIONS

Level of Service	Volume/Capacity Ratio	Definition
A	0.000 - 0.600	EXCELLENT. No vehicle waits longer than one red light and no approach phase is fully used.
B	>0.600 - 0.700	VERY GOOD. An occasional approach phase is fully utilized; many drivers begin to feel somewhat what restricted within groups of vehicles.
C	>0.700 - 0.800	GOOD. Occasionally drivers may have to wait through more than one red light; backups may develop behind turning vehicles.
D	>0.800 - 0.900	FAIR. Delays may be substantial during portions of the rush hours, but enough lower volume periods occur to permit clearing of developing lines, preventing excessive backups.
E	>0.900 - 1.000	POOR. Represents the most vehicles intersection approaches can accommodate; may be long lines of waiting vehicles through several signal cycles.
F	> 1.000	FAILURE. Backups from nearby locations or on cross streets may restrict or prevent movement of vehicles out of the intersection approaches. Tremendous delays with continuously increasing queue lengths.

TABLE 6B
LEVEL OF SERVICE DEFINITIONS FOR UNSIGNALIZED INTERSECTIONS

Level of Service	Average Control Delay (seconds/vehicle)
A	$\leq$ 10.0
B	> 10.0 and $\leq$ 15.0
C	> 15.0 and $\leq$ 25.0
D	> 25.0 and $\leq$ 35.0
E	> 35.0 and $\leq$ 50.0
F	> 50.0

EXISTING LEVELS OF SERVICE

Existing year traffic volumes presented in **Appendix B** were analyzed using the ICU methodology described above to determine the existing operating conditions at the study intersections. **Table 7** summarizes the results of the analysis of the existing weekday morning and afternoon peak hour V/C ratio or delay and corresponding LOS at each of the analyzed signalized intersections. PCH & El Segundo Boulevard operates at LOS F during the PM peak period.

The rest of the study intersections currently operate at LOS D or better during both peak periods. Analysis sheets are provided in **Appendix E**.

PROJECT TRAFFIC

The development of trip generation estimates for the proposed Project involves the use of a 3-step process: trip generation, trip distribution, and traffic assignment.

PROJECT TRIP GENERATION

As discussed in Chapter 1, the Project proposes to construct:

- A four-story with mezzanine office building of 105,469 gross square feet on the west parcel
    - Including a new 23-space surface parking lot
- A four-story parking structure with 258 spaces on the east parcel

Trip generation rates from *Trip Generation, 10th Edition* (Institute of Transportation Engineers [ITE], 2017) were used to estimate the number of trips associated with the Project and are presented in Table 4. The total number of trips generated by the new development were adjusted to account for walk/bike/transit credit.

A 5% walk/bike/transit credit was applied to the proposed land use. This credit accounts for trips made to and from the Project site using modes other than automobiles. These include trips on rail and bus transit, bicycle, walking, etc. The site is located in close proximity to bus service on PCH, Grand Avenue, and Nash Street. The Project is also 1/2-mile distance to the Metro C (Green) Line El Segundo and Mariposa Stations.

As shown in **Table 8**, the Project is projected to generate an estimated net increase of 976 daily trips, including 116 trips (100 inbound/16 outbound) during the AM peak hour and 115 trips (18 inbound/97 outbound) during the PM peak hour.

TABLE 7
1950-1960 GRAND AVENUE PROJECT
EXISTING INTERSECTION LEVELS OF SERVICE

NO.	INTERSECTION	PEAK HOUR	EXISTING	
			V/C	LOS
1	Pacific Coast Hwy &	AM	0.759	C
	Grand Ave	PM	0.869	D
2	Continental Blvd &	AM	0.381	A
	Grand Ave	PM	0.390	A
3	N Nash St &	AM	0.534	A
	Grand Ave	PM	0.581	A
4	Pacific Coast Hwy &	AM	0.840	D
	El Segundo Blvd	PM	1.010	F
5	Continental Blvd &	AM	0.478	A
	El Segundo Blvd	PM	0.511	A
6	N Nash St &	AM	0.570	A
	El Segundo Blvd	PM	0.627	B

TABLE 8
1950-1960 GRAND AVENUE PROJECT
PROJECT TRIP GENERATION ESTIMATES

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]						Estimated Trip Generation						
			Daily	AM Peak Hour			PM Peak Hour			Daily	AM Peak Hour Trips			PM Peak Hour Trips		
				Rate	In%	Out%	Rate	In%	Out%		In	Out	Total	In	Out	Total
General Office Building [b]	710	105.469 ksf	9.74	1.16	86%	14%	1.15	16%	84%	1,027	105	17	122	19	102	121
Less: Transit/Walk/Bike [c]			5%	5%			5%			(51)	(5)	(1)	(6)	(1)	(5)	(6)
Total Driveway Trips										976	100	16	116	18	97	115
TOTAL PROJECT EXTERNAL VEHICLE TRIPS										976	100	16	116	18	97	115

Notes:

[a] Source: Institute of Transportation Engineers (ITE), *Trip Generation, 10th Edition,* 2017, unless otherwise noted.

[b] ITE code 710 General Office Building was used with the General Urban/Suburban setting rate.

[c] A transit adjustment was applied due to the Project's proximity to bus service on PCH, Grand Avenue, and Nash Street. The Project is also 1/2 mile distance to Metro C (Green) Line El Segundo Station.

PROJECT TRAFFIC DISTRIBUTION

The geographic distribution of trips generated by the proposed Project is dependent on characteristics of the street system serving the Project site; the level of accessibility of routes to and from the proposed Project site and locations of employment areas from which residents would be drawn. Similar projects in the study area were used to help inform the general distribution pattern for this study. The distribution of project trips is illustrated in **Figure 8**.

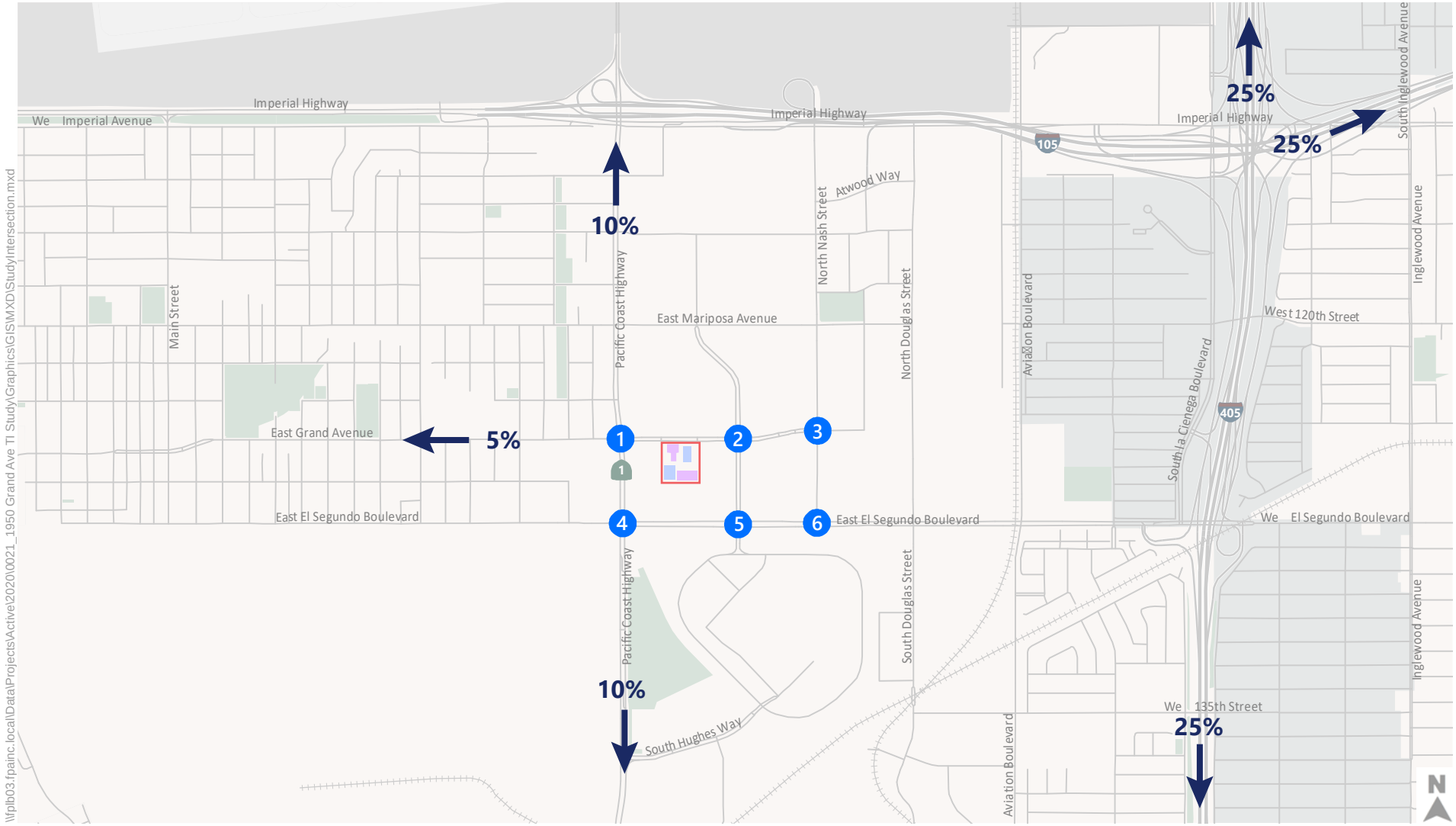
Consideration was given to project traffic distribution from the proposed development sites (east/west parcels). Two existing access points to the Project site are provided off Grand Avenue. The west driveway is limited to right-in/right-out movements. The east driveway provides full in/out access.

PROJECT TRAFFIC ASSIGNMENT

The traffic to be generated by the proposed Project was assigned to the street network using the distribution patterns described in **Figure 8. Figure 9** provides the assignment of the proposed Project-generated peak hour traffic volumes at the analyzed intersections during the AM and PM peak hours. The assignment of traffic volumes took into consideration the locations of the existing Project driveways on Grand Avenue.

PROJECT DRIVEWAYS

Vehicle access for the Project is to be provided via Grand Avenue with two existing driveways. The two driveways are connected on the Project site. The west driveway provides right-in/right-out access to the Project site. The east driveway provides full in/out access to the Project site. The existing and proposed parking structures are accessible via both driveways.



Study Intersections
Trip Distribution
Existing Buildings
New Buildings
Project Site

Figure 8

Trip Distribution

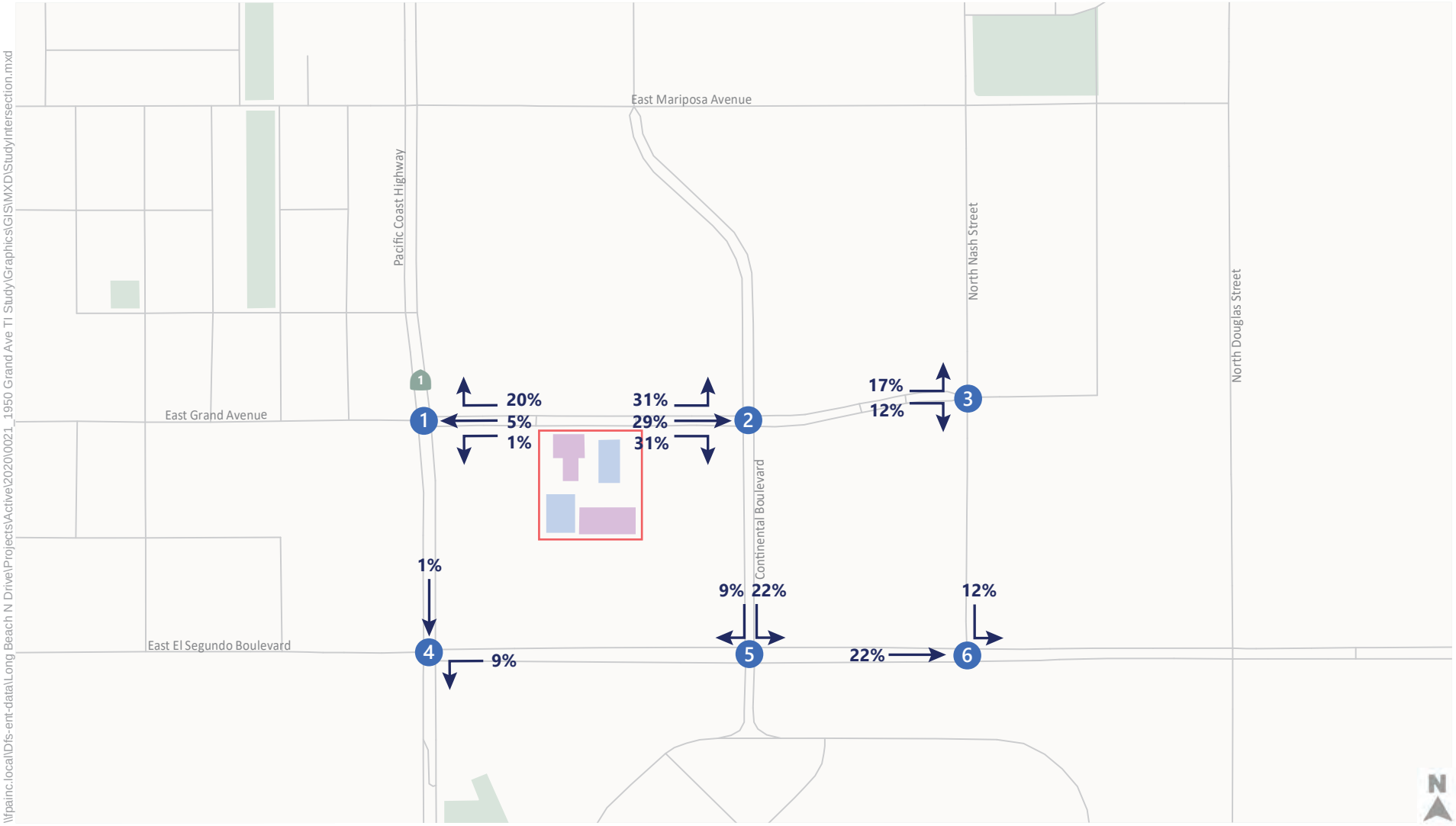


Figure 9

Trip Assignment

FUTURE YEAR 2024 TRAFFIC CONDITIONS

To evaluate the potential effects of the proposed Project on future (Year 2024, Project Opening Year) conditions, it was necessary to develop estimates of future traffic conditions in the area both without and with project traffic. First, estimates of traffic growth were developed for the study area to forecast future conditions without the Project. These forecasts included traffic increases as a result of both regional ambient traffic growth and traffic generated by specific developments in the vicinity of the Project (related projects).

These projected traffic volumes, identified herein as the Future Base conditions, represent the future conditions without the proposed Project. The traffic generated by the proposed Project was then estimated and assigned to the surrounding street system. Project traffic was added to the Future Base conditions to form Future (year 2024) plus Project traffic conditions.

The assumptions and analysis methodology used to develop each of the future year scenarios discussed above are described in more detail in the following sections.

BACKGROUND OR AMBIENT GROWTH

Based on the Los Angeles County 2010 Congestion Management Plan (CMP), an ambient growth factor of 0.2% per year was applied to adjust the existing base year traffic volumes to reflect the effects of regional growth and development by year 2024. This adjustment was applied to the existing (year 2020) traffic volume data to reflect the effect of ambient growth by the year 2024. In addition, substantial growth in traffic at LAX due to the Landside Access Modernization Program were included in projecting future background growth. Forecasts of projected growth in LAX-related trips were taken from the *LAX Landside Access Modernization Program Draft* EIR, September 2016.

RELATED PROJECT TRAFFIC GENERATION AND ASSIGNMENT

Future Base traffic forecasts include the effects of known specific projects, called related projects, expected to be implemented in the vicinity of the proposed Project prior to the buildout date of the proposed Project. The list of related projects was prepared based on data from Los Angeles County and the Cities of El Segundo, Manhattan Beach, and Hawthorne. Related projects traffic volumes are presented in **Appendix B**.

A total of 32 cumulative projects were identified in the study area; these projects are listed in **Table 9** and illustrated in **Figure 10**.

Trip Generation

Trip generation estimates for the related projects were calculated using a combination of previous study findings, publicly available environmental documentation, and trip generation rates contained in *Trip Generation, 10th Edition*. **Table 9** presents the resulting trip generation estimates for these related projects. These projections are conservative in that they do not in every case account for either the existing uses to be removed or the possible use of non-motorized travel modes (transit, walking, etc.).

Trip Distribution

The geographic distribution of the traffic generated by the related projects is dependent on several factors. These factors include the type and density of the proposed land uses, the geographic distribution of population from which employees and potential patrons of proposed commercial developments may be drawn, the locations of employment and commercial centers to which residents of residential projects may be drawn, and the location of the projects in relation to the surrounding street system. Additionally, if the traffic study or environmental document for a related project was available, the trip distribution from that study was used.

Traffic Assignment

Using the estimated trip generation and trip distribution patterns described above, traffic generated by the related projects was assigned to the street network.

TRANSPORTATION INFRASTRUCTURE PROJECTS

There are no known infrastructure changes in the study area planned for implementation by year 2024. Therefore, network changes were not included in the analysis.

FUTURE YEAR 2024 BASE TRAFFIC VOLUMES

Future year 2024 base weekday AM and PM peak hour traffic volumes and lane geometries for the analyzed intersections are provided in **Appendix B**. The Future Base traffic conditions represent an estimate of future conditions without the proposed Project inclusive of the ambient background growth and related projects traffic.

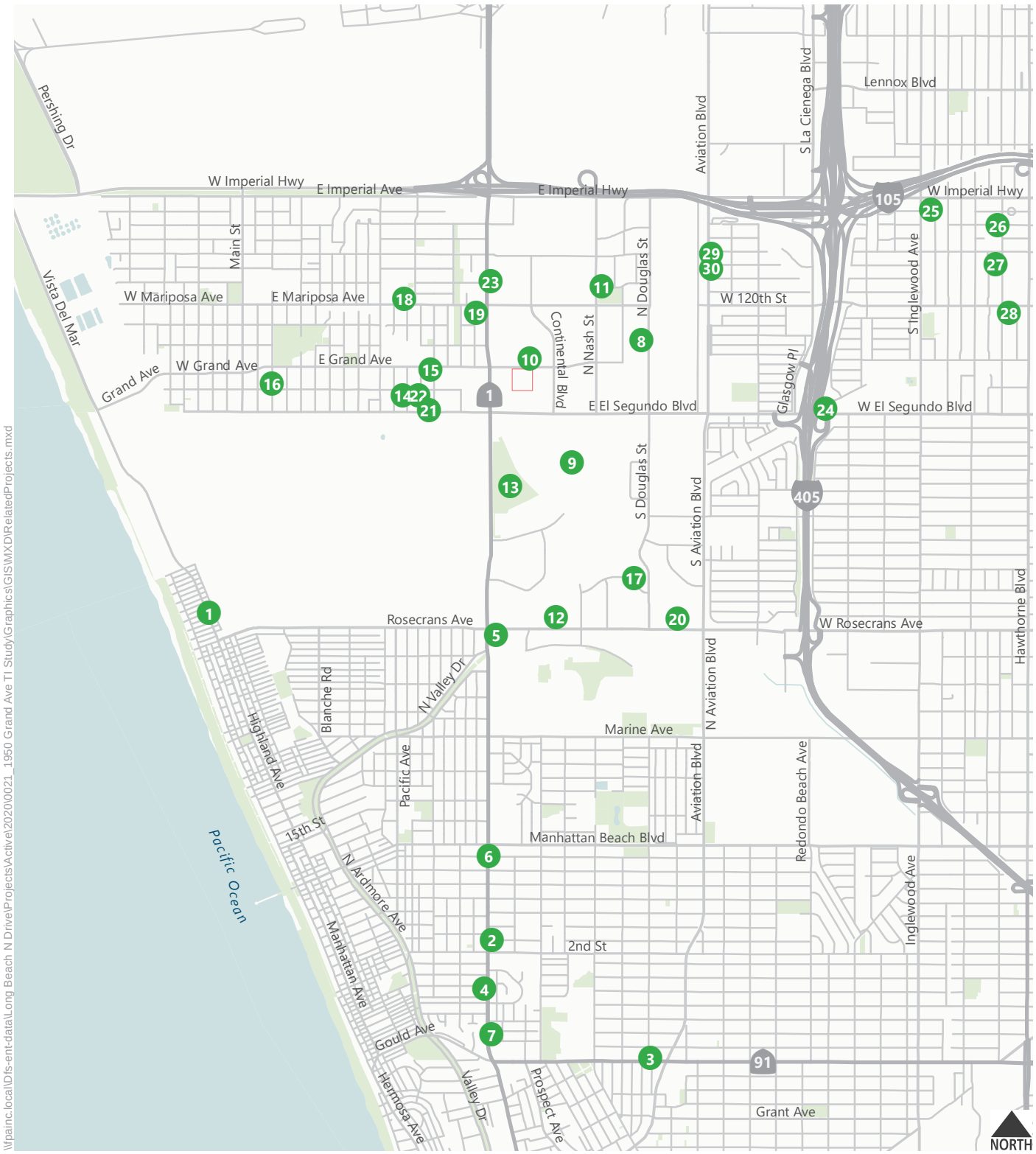
FUTURE PLUS PROJECT TRAFFIC PROJECTIONS

The proposed Project traffic volumes were added to the year 2024 Future Base traffic projections, resulting in Future (year 2024) plus Project AM and PM peak hour traffic volumes. As provided in **Appendix B**, the Future (year 2024) plus Project scenario presents future traffic conditions with the completion of the proposed Project.

TABLE 9
1950-1960 GRAND AVENUE PROJECT
RELATED PROJECTS
TRIP GENERATION ESTIMATES

No.	Project Location	Land Use [a]	Size		Trip Generation					
					AM			PM		
					IN	OUT	TOTAL	IN	OUT	TOTAL
1	3920 Highland Ave [a]	Condominium	2	DU	1	1	2	1	1	2
		Studio	3.00	ksf						
2	250-400 N Sepulveda Blvd [a]	Sunrise Senior Facility	95	DU	2	2	4	-16	-8	-24
3	1701 Artesia Blvd [a]	Condominium	9	DU	4	4	7	4	5	8
		Office	2.89	ksf						
4	305 S. Sepulveda Boulevard, 330 S. Sepulveda Boulevard, Hermosa Beach Sites [a]	Design Center	100.30	ksf	250	22	272	46	242	287
		Executive Offices	19.21	ksf						
		General Office	57.50	ksf						
		Existing Office	8.42	ksf						
5	3200-3600 Sepulveda Bl. [a]	Shopping Center	110.00	ksf	29	19	48	97	79	176
6	1100-1120 N. Sepulveda Blvd. [a]	Fitness Center	2.68	ksf	46	44	90	46	47	93
		Restaurant	2.70	ksf						
		Kinecta FCU	3.42	ksf						
		Coffee Shop	1.23	ksf						
7	600 S. Sepulveda Bl. [a]	Hotel	162	Room	41	29	70	39	48	87
		Shopping Center	6.85	ksf						
		General Office	9.26	ksf						
8	445 N. Douglas Street [b][c]	Office	155.66	ksf	214	29	243	39	193	232
9	2100 E El Segundo Bl [b]	Office	1751.92	ksf	56	33	89	108	117	225
		Warehouse	73.58	ksf						
		Industrial	168.00	ksf						
		Retail	148.96	ksf						
10	455 Continental Blvd & 1995 E Grand Avenue [b]	Office	300.00	ksf	670	76	746	92	604	696
11	2125 Campus Drive [b]	Office	153.53	ksf	211	28	239	39	190	229
12	2021 E Rosecrans Ave [b]	Office	240.00	ksf	291	42	333	56	253	309
		Studio and Production	66.00	ksf						
		Retail	7.00	ksf						
13	400 S Pacific Coast Highway [b]	Golf Range	71.00	ksf	17	11	28	40	49	89
		Existing Golf Course	2.50	ksf						
14	140 Oregon Street [b]	Office	70.00	ksf	70	11	81	13	68	81
15	243 Kansas Street and 330 Kansas Street [b]	Office	243.22	ksf	288	83	372	61	251	312
		Café	0.89	ksf						
16	212 Eucalyptus Dr. [b]	Office	14.12	ksf	15	3	17	3	14	17
		Existing Warehouse	5.35	ksf						
17	2221 E Park Place [b]	Office	27.48	ksf	27	4	32	5	27	32
18	1225 E Mariposa Avenue [b]	Condominium	15	DU	1	3	3	2	1	3
		Existing Residential	5	DU						
19	525 Pacific Coast Highway (Pacific Coast Commons) [b]	Residiential	263	DU	47	85	132	103	75	178
		Retail	7.55	ksf						
		Fast Casual Restaurant	3.70	ksf						
20	2361-2381 E Rosecrans [b]	Office	2.60	ksf	3	0	3	0	3	3
21	1475 E El Segundo Blvd [b]	Office	47.84	ksf	48	8	55	9	46	55
22	1320-1330 E Franklin [b]	Office	47.25	ksf	47	8	55	9	46	54
23	650-700 N PCH [b]	Office	119	ksf	119	20	139	22	114	136
24	5151 El Segundo Blvd [d]	Hotel	129	rooms	36	25	61	39	38	77
25	11416 Inglewood Ave [d]	Condominium	13	DU	1	5	6	5	3	7
26	4500 W. 116th Street [d]	Condominium	128	DU	14	45	59	45	27	72
27	11845 Grevillea [d]	Condominium	13	DU	1	5	6	5	3	7
28	12021 Hawthorne Way [d]	Single Family House	3	DU	1	2	2	2	1	3
29	11814 Aviation Boulevard, Inglewood CA 90304 [e]	Apartments	36	DU	3	10	13	6	9	15
30	11824 Aviation Boulevard, Inglewood CA 90304 [e]	Apartments	82	DU	8	22	30	14	20	34
				TOTAL	**2,560**	**677**	**3,237**	**933**	**2,563**	**3,495**

Notes:
du = dwelling unit
ksf = one thousand square feet
Trip Generation Estimates based on ITE rates if not provided by jurisdictions
[a] Project details based on related project list provided by City of Manhattan Beach in May 2021.
[b] Project details based on related project list provided by City of El Segundo in May 2021.
[c] Constructed square footage removed from entitled square footage.
[d] Project details based on related projects list provided by City of Hawthorne in May 2021.
[e] Project details based on related projects list provided by Los Angeles County in May 2021.



Related Project

Project Site

Figure 10

Related Projects

FUTURE PLUS PROJECT ANALYSIS

FUTURE BASE TRAFFIC CONDITIONS

The year 2024 Future Base peak hour traffic volumes were analyzed to determine the projected V/C ratio and delay and LOS for each of the analyzed intersections. **Table 10** summarizes the future LOS for the signalized intersections. Two of the six study intersections analyzed are projected to operate at LOS E or worse during the AM or the PM peak period under year 2024 Future Base conditions. These intersections include:

1. Pacific Coast Highway & Grand Avenue (LOS F during PM)
4. Pacific Coast Highway & El Segundo Boulevard (LOS E during the AM and LOS F during PM)

FUTURE PLUS PROJECT TRAFFIC CONDITIONS

The resulting Future (year 2024) plus Project peak hour traffic volumes, provided in **Appendix B**, were analyzed to determine the projected future operating conditions with the addition of the proposed Project traffic. The results of the Future (year 2024) plus Project analysis are presented in **Table 10** with analysis sheets provided in **Appendix E**. The same two study intersections projected to operate at LOS E or worse during the AM or PM peak periods under Future Base conditions are also projected to operate at LOS E or worse during the AM or PM peak periods with the addition of Project traffic. These intersections are:

1. Pacific Coast Highway & Grand Avenue (LOS F during PM)
4. Pacific Coast Highway & El Segundo Boulevard (LOS E during the AM and LOS F during PM)

The addition of Project traffic at the study intersections does not change the projected Future Base LOS. The V/C change at the intersections projected to operate at LOS E/F is also less than 0.02. Project traffic is not expected to cause substantial traffic operational effects since it would not increase the intersection V/C ratio by 0.02 or more at any intersection operating at a poor LOS E/F.

TABLE 10
1950-1960 GRAND AVENUE PROJECT
FUTURE PLUS PROJECT INTERSECTION LEVEL OF SERVICE

NO.	INTERSECTION	PEAK HOUR	FUTURE (2024)		FUTURE + PROJECT		V/C INCREASE
			V/C	LOS	V/C	LOS	
1	Pacific Coast Hwy &	AM	0.864	D	0.892	D	0.028
	Grand Ave	PM	1.091	F	1.102	F	0.011
2	Continental Blvd &	AM	0.572	A	0.599	A	0.027
	Grand Ave	PM	0.445	A	0.460	A	0.015
3	N Nash St &	AM	0.611	B	0.629	B	0.018
	Grand Ave	PM	0.604	B	0.616	B	0.012
4	Pacific Coast Hwy &	AM	0.977	E	0.986	E	0.009
	El Segundo Blvd	PM	1.096	F	1.101	F	0.005
5	Continental Blvd &	AM	0.577	A	0.587	A	0.010
	El Segundo Blvd	PM	0.619	B	0.628	B	0.009
6	N Nash St &	AM	0.669	B	0.677	B	0.008
	El Segundo Blvd	PM	0.752	C	0.762	C	0.010

5. SITE ACCESS

Vehicle access for the Project is to be provided via Grand Avenue with two existing driveways. The two driveways are connected on the Project site. The west driveway provides right-in/right-out access to the Project site. The east driveway provides full in/out access to the Project site. The existing and proposed parking structures are accessible via both driveways.

The new east parcel parking structure will have direct connection to the east driveway via the existing internal private drive aisle. The structure will have direct inbound and outbound access from the existing internal north/south drive aisle of the lot. The new west parcel surface parking lot (23 stalls) can be accessed via the new east parcel parking structure with an east/west drive aisle connection. Both the east and west buildings will have dedicated small truck loading areas via the existing internal drive aisles. The existing west parcel parking structure will still be accessible via the existing internal north/south drive aisle that connects to the west driveway. Driveway access and on-site circulation is illustrated in **Figure 11**.

Bicycle and pedestrian access to the Project site will not be affected as no new driveways are being added. Bicycle access to the Project site is available on Grand Avenue.

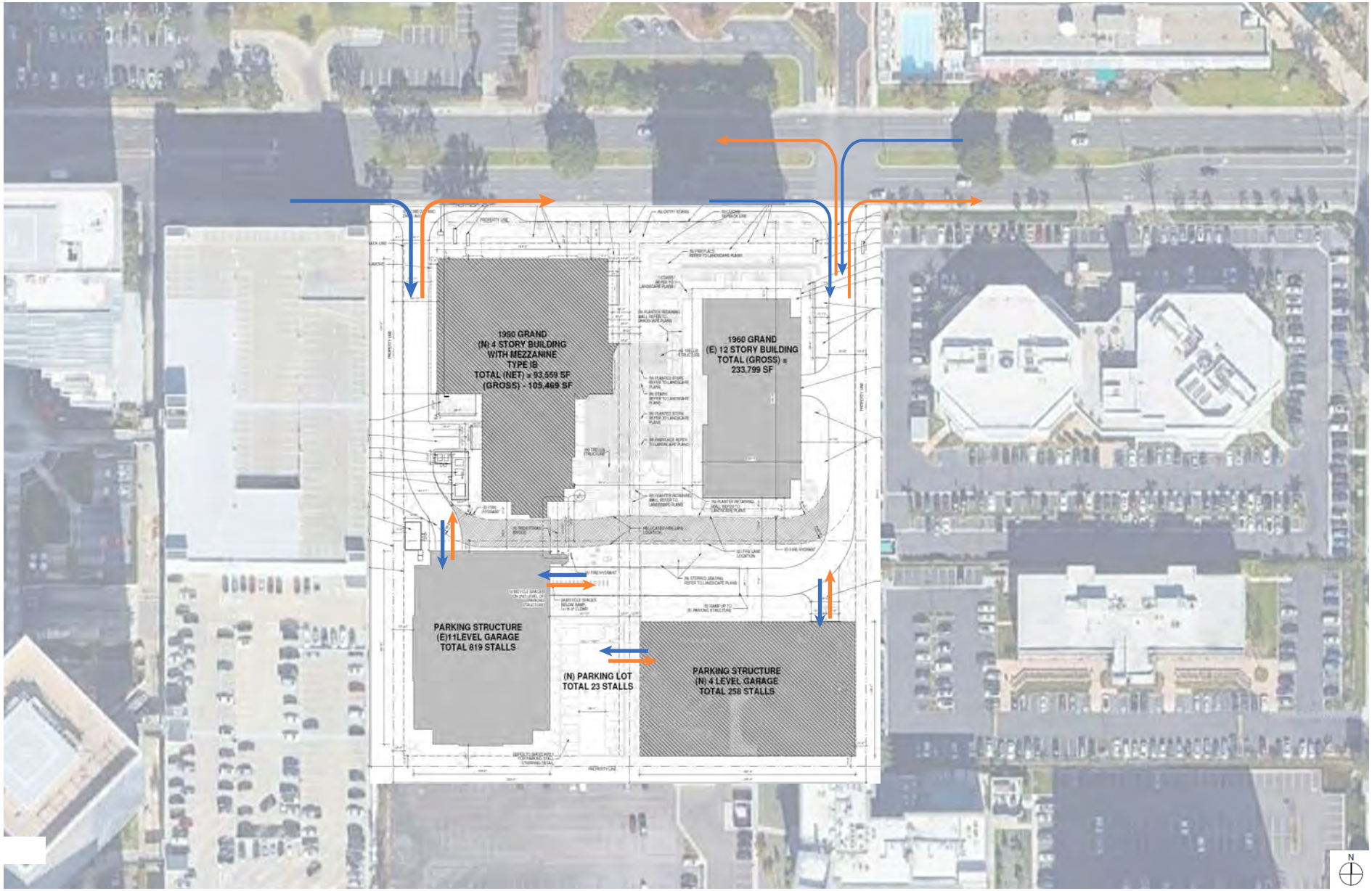
LEVEL OF SERVICE ANALYSIS FOR PROJECT DRIVEWAYS

A level of service analysis was conducted to evaluate the ability of the Project access plan to accommodate the anticipated traffic levels at the driveway access points. This analysis was conducted for the two project driveways on Grand Avenue. The 1950 Grand Avenue driveway allows for right in/right out movements only, while the 1960 Grand Avenue driveway allows for full in/out access.

The two existing project driveways on Grand Avenue are both unsignalized and were analyzed using the HCM 6th Edition two-way stop-controlled methodology. The HCM methodology determines the average vehicle delay for the stop-controlled approach to find the corresponding LOS based on the definitions presented in **Table 2B**. Driveway analysis LOS worksheets are included in **Appendix E**. **Table 11** shows the results of the peak hour LOS analysis at the unsignalized driveways, and **Table 12** shows the results of the peak hour queueing analysis at the unsignalized driveways.

As shown in **Table 11**, both project driveways are projected to operate at LOS B in the AM peak hour under the Future plus Project scenario. The west driveway is projected to operate at LOS C and the east driveway is projected to operate at LOS D in the PM peak hour under the Future plus Project scenario.

Based on the queue results shown in **Table 12**, the driveway approaches to Grand Avenue at both the west and east driveways are projected to experience a 95th percentile queue length of 25 feet (approximately one vehicle) in the AM peak hour under the Future plus Project scenario. The queue for the west driveway is projected to experience a 95th percentile queue length of 25 feet (approximately one vehicle) and the queue for the east driveway is projected to experience a 95th percentile queue length of 100 feet (approximately four vehicles) during the PM peak hour under Future plus Project scenario. A queue of four vehicles is not expected to cause problems to the internal circulation as the queues reported are 95th percentile results and would not extend back as far as the existing building's loading space.



Source: Ware Malcomb, 2022.

Access Path

Figure 11

Driveway Access and On-Site Circulation

TABLE 11
1950-1960 GRAND AVENUE PROJECT
DRIVEWAY LEVEL OF SERVICE ANALYSIS

DRIVEWAY	PEAK HOUR	FUTURE + PROJECT	
		Delay	LOS
West Driveway &	AM	11.4	B
Grand Avenue	PM	15.5	C
East Driveway &	AM	13.1	B
Grand Avenue	PM	34.2	D

TABLE 12
1950-1960 GRAND AVENUE PROJECT
DRIVEWAY QUEUE ANALYSIS

DRIVEWAY	PEAK HOUR	FUTURE + PROJECT
		95th% Queue (ft)
West Driveway &	AM	25
Grand Avenue (Northbound)	PM	25
West Driveway &	AM	25
Grand Avenue (Northbound)	PM	100

6. SUMMARY AND CONCLUSIONS

This study was undertaken to analyze the potential transportation impacts of the proposed 1950 Grand Avenue Project. The following summarizes the results of this analysis:

- The Project involves the development of two adjacent parcels at 1950/1960 Grand Avenue. The Project proposes to construct a four-story with mezzanine office building of 105,469 gross square feet and new 23-space surface parking lot on the west parcel, and a four-story parking structure with 258 spaces on the east parcel. An existing 12-story office building and 11-story parking structure also exist on the site.

- Vehicle access for the Project is to be provided via two existing driveways on Grand Avenue. The two driveways are connected on the Project site. The west driveway provides right-in/right-out access to the Project site. The east driveway provides full in/out access to the Project site. The existing and proposed parking structures are accessible via both driveways.

- The Project is estimated to generate an average daily work VMT per employee of 19.3 miles. This indicates a significant VMT impact using the VMT significance thresholds developed for this study. With the development and implementation of a TDM plan as a mitigation applied to the Project, the Project's VMT impact would be mitigated to less than significant levels.

- The Project is projected to generate an estimated net increase of 976 daily trips, including 116 trips (100 inbound/16 outbound) during the AM peak hour and 115 trips (18 inbound/97 outbound) during the PM peak hour.

- A level of service analysis was conducted for six signalized intersections in the vicinity of the Project. The Project traffic is not expected to cause any cause substantial traffic operational effects at the study intersections.

- Driveway access was evaluated for the Project at the two existing project driveways on Grand Avenue. The driveways are projected to operate at acceptable levels under Future plus Project conditions.

REFERENCES

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The South Bay Bicycle Master Plan, Los Angeles County Bicycle Coalition and South Bay Bicycle Coalition, August 2011.

Technical Advisory on Evaluating Transportation Impacts in CEQA, State of California, Governor's Office of Planning and Research, December 2018.

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APPENDIX A:
METHODOLOGIES AND ASSUMPTIONS SCOPING MEMO

FEHR PEERS

MEMORANDUM

Date: May 17, 2021

To: City of El Segundo

From: Dongyang Lin, Vivian Lee, and Tom Gaul

Subject: Methodologies and Assumptions for the 1950–1960 East Grand Avenue Project Transportation Impact Analysis

LB20-0021

The purpose of this memorandum is to document the methodologies and assumptions which will be used in the Transportation Impact Analysis (TIA) for the 1950 Grand Avenue Project. This memorandum will serve as the Applicant's request to approve the approach for the TIA prior to the completion of the transportation study.

The remainder of this memorandum is divided into the following sections: Project Description, VMT Analysis, and Local Transportation Assessment (which includes Trip Generation, Study Area, Trip Distribution, Data Collection, Analysis Scenarios, and Methodology and Evaluation).

Project Description

The Project involves the development of two adjacent parcels at 1950/1960 Grand Avenue. The Project proposes to construct a creative office building of 105,469 square feet (sf) and new 23-space surface parking lot on the west parcel, and a 258-space parking structure on the east parcel. An existing office building and parking structure also exist on site. The Project will open in 2024.

The Project is on Grand Avenue between Pacific Coast Highway (PCH) and Continental Boulevard. The adjacent land uses are hotel and parking to the south, office uses to the east and west, and hotel and office uses to the north. The 405 Freeway, east of the Project site, and 105 Freeway, north of the Project site, provide regional access to the Project area. Two primary access points to the project site are provided off of Grand Avenue. The Project is located approximately ½ mile from the Metro Green Line El Segundo Station. Bus service provided by Metro, LADOT Commuter Express, and Torrance Transit also serve the Project site. **Figure 1** shows the site plan for the Project.

VMT Analysis

On September 27, 2013, Governor Jerry Brown signed Senate Bill (SB) 743 into law and started a process that fundamentally changed transportation impact analysis conducted as part of California Environmental Quality Act (CEQA) compliance. The Governor's Office of Planning and Research (OPR) was charged with developing new guidelines for evaluating transportation impacts under CEQA using methods that no longer focus on measuring automobile delay and level of service (LOS). The changes to CEQA guidelines Section 15064.3 to implement SB 743 were certified by the State in December of 2018. The updates establish vehicle miles traveled (VMT) as the primary metric for evaluating a project's environmental impacts on the transportation system. Draft environmental impact reports published after July 1, 2020, are required to implement these new requirements.

Consistent with the State's updated CEQA guidance in response to SB 743, work VMT per employee for the Project will be calculated using data from the Southern California Association of Government's (SCAG) 2016 Regional Transportation Plan (RTP) travel demand model. The OPR VMT guidelines establish that a significant project impact may occur when a certain threshold is exceeded. For office projects, OPR recommends that a proposed project exceeding a level of 15% below existing daily work VMT per employee may indicate a significant transportation impact. While the City of El Segundo has not yet adopted VMT standards and thresholds, per direction from the City, the Project's VMT will be compared against the SCAG region's daily work VMT per employee as the significance threshold. VMT analysis will be conducted for both Existing and Cumulative conditions.

Based on the VMT analysis, potential VMT impacts will be identified. If the project creates VMT impacts (according to OPR's significance threshold), transportation demand management (TDM)/trip reduction strategies will be identified. Where empirical data is available, Fehr & Peers will quantitatively assess the benefits of the measures using our TDM+ tool, which allows developers and agencies to estimate how a TDM plan affects vehicle trip generation and corresponding VMT.

Local Transportation Assessment

From a CEQA impact analysis perspective, an intersection level analysis is not necessary to assess transportation impacts but could be used to contribute input data to the air-quality and noise sections of the environmental document, and for additional information to share with decision makers.

Project Trip Generation

Trip generation rates from *Trip Generation, 10th Edition* (Institute of Transportation Engineers [ITE], 2017) were used to estimate the number of trips for the Project. ITE trip generation rates for General Office (ITE Code 710) were used to estimate trips for the creative office use. **Table 1** presents the estimated trip generation for the Project. A 5% transit adjustment was applied due to the Project's proximity to bus stops served by Metro, LADOT, and Torrance Transit and the Metro Green Line El Segundo Station (approximately ½ mile from the Project site). As presented in **Table 1**, the Project is expected to generate an estimated 116 vehicle trips (100 inbound/16 outbound) during the AM peak hour and 115 vehicle trips (18 inbound/97 outbound) during the PM peak hour.

Study Area

This study will initially analyze the following signalized study intersections, also shown in **Figure 2**:

1. Pacific Coast Highway & Grand Avenue
2. Continental Boulevard & Grand Avenue
3. Nash Street & Grand Avenue
4. Pacific Coast Highway & El Segundo Boulevard
5. Continental Boulevard & El Segundo Boulevard
6. Nash Street & El Segundo Boulevard

Preliminary LOS results for the initial study intersections will be presented to the City of El Segundo. Upon review of the results, if the City determines that the LOS results are acceptable, no further study intersections will be analyzed. However, the City has indicated that they reserve the right to ask for analysis on additional intersections based on the review of the initial LOS results. The additional intersections to be analyzed will be determined in coordination with City staff.

Trip Distribution

The geographic distribution of trips generated by the Project is dependent on characteristics of the street system serving the Project site, the level of accessibility of routes to and from the proposed Project site, and the locations of employment and residential areas to which patrons of the Project would be drawn. The trip distribution will be finalized through conversations with City staff to ensure that the assumptions are realistic and vetted. The preliminary distribution of Project trips is illustrated in **Figure 3**.

Data Collection

Due to atypical current conditions caused by COVID-19, new counts will not be collected at the study intersections. Instead, recent historical counts from previous studies in the area and/or from count company databases will be used.

Fehr & Peers will collect the following information in a field visit to the study area:

- Lane configurations
- Signal phasing
- Land uses in the study area
- Existing pedestrian and bicycle facilities
- On-street parking conditions
- Transit service

Additionally, Fehr & Peers will request the following information from City of El Segundo, City of Manhattan Beach, City of Los Angeles, City of Hawthorne, and/or Los Angeles County staff:

- Pending and approved development projects that should be included in the forecasting effort
- Upcoming funded roadway improvement projects in the study area that should be considered for future analysis
- Upcoming funded bicycle/pedestrian/transit improvements in the study area that should be considered for future analysis

Analysis Scenarios

The following three scenarios will be analyzed:

- Existing Conditions
- Future Opening Year No Project
- Future Opening Year plus Project

A list of pending and approved development projects in the vicinity of the project that are expected to be completed by the buildout horizon will be included in the forecasting effort. Based on the Los Angeles County 2010 Congestion Management Plan (CMP), an ambient growth factor of 0.2% per year will be applied to the historical counts to interpolate existing and future traffic counts.

Methodology and Evaluation

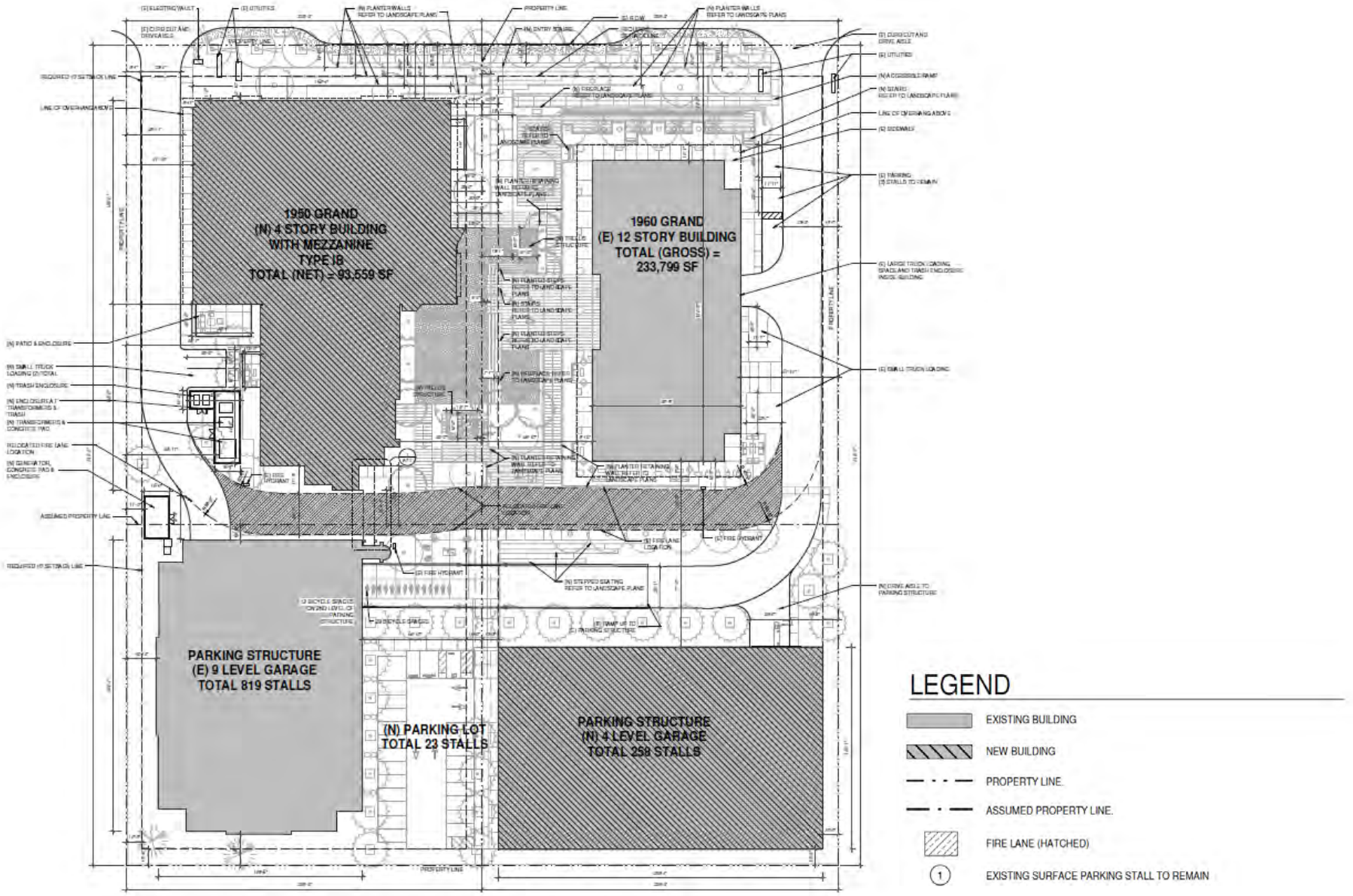
Fehr & Peers will conduct capacity analysis at the study intersections during morning and evening peak hours. The Intersection Capacity Utilization (ICU) methodology will be used to evaluate potential traffic operational effects at the study intersections.

While no longer considered a CEQA impact threshold, the City's intersection impact criteria as outlined in Policy C3-1.3 of the General Plan Circulation Element will be used to evaluate potential traffic operational effects. A potential traffic operational effect has occurred where Project traffic causes an intersection to go from LOS A-D to LOS E or F, or if project traffic causes an increase in the volume-to-capacity (v/c) ratio of 0.02 or greater when the intersection is operating at LOS E or F in the baseline scenario.

Potential corrective actions will be investigated if substantial operational effects are found.

Next Steps

Once the proposed assumptions and methodology are approved by City staff, Fehr & Peers will begin the transportation analysis for this Project to identify potential significant impacts and potential traffic operational effects.



Source: Ware Malcomb, 2020.

Figure 1

Site Plan

TABLE 1
1950 GRAND AVENUE PROJECT
PROJECT TRIP GENERATION ESTIMATES

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]						Estimated Trip Generation					
			AM Peak Hour			PM Peak Hour			AM Peak Hour Trips			PM Peak Hour Trips		
			Rate	In%	Out%	Rate	In%	Out%	In	Out	Total	In	Out	Total
General Office Building [b]	710	105.469 ksf	1.16	86%	14%	1.15	16%	84%	105	17	122	19	102	121
Less: Transit/Walk/Bike [c]			5%			5%			(5)	(1)	(6)	(1)	(5)	(6)
Total Driveway Trips									100	16	116	18	97	115
TOTAL PROJECT EXTERNAL VEHICLE TRIPS									100	16	116	18	97	115

Notes:

[a] Source: Institute of Transportation Engineers (ITE), *Trip Generation, 10th Edition,* 2017, unless otherwise noted.

[b] ITE code 710 General Office Building was used with the General Urban/Suburban setting rate.

[c] A transit adjustment was applied due to the Project's proximity to bus service on PCH, Grand Avenue, and Nash Street. The Project is also 1/2 mile distance to Metro Green Line El Segundo Station.

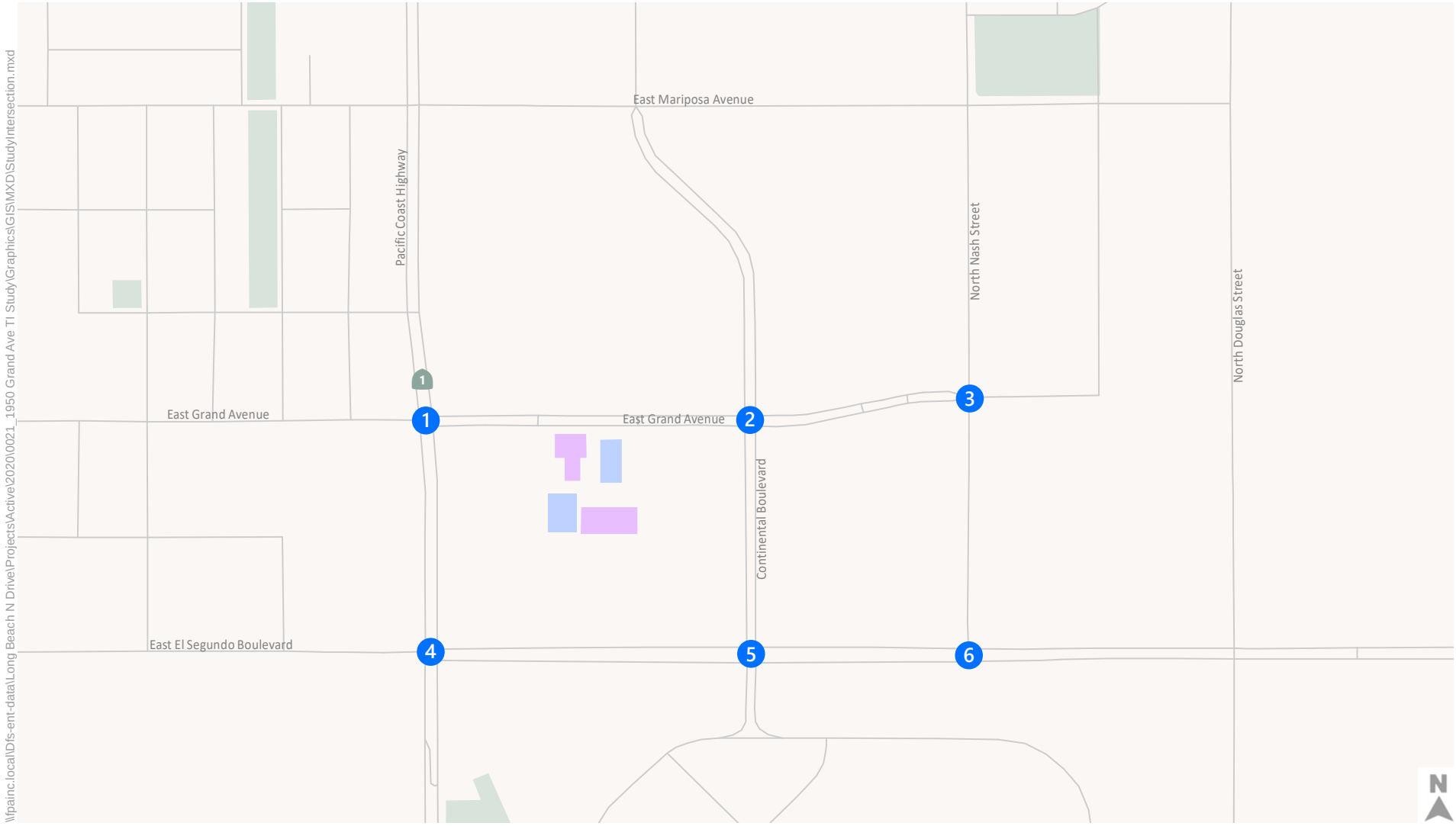
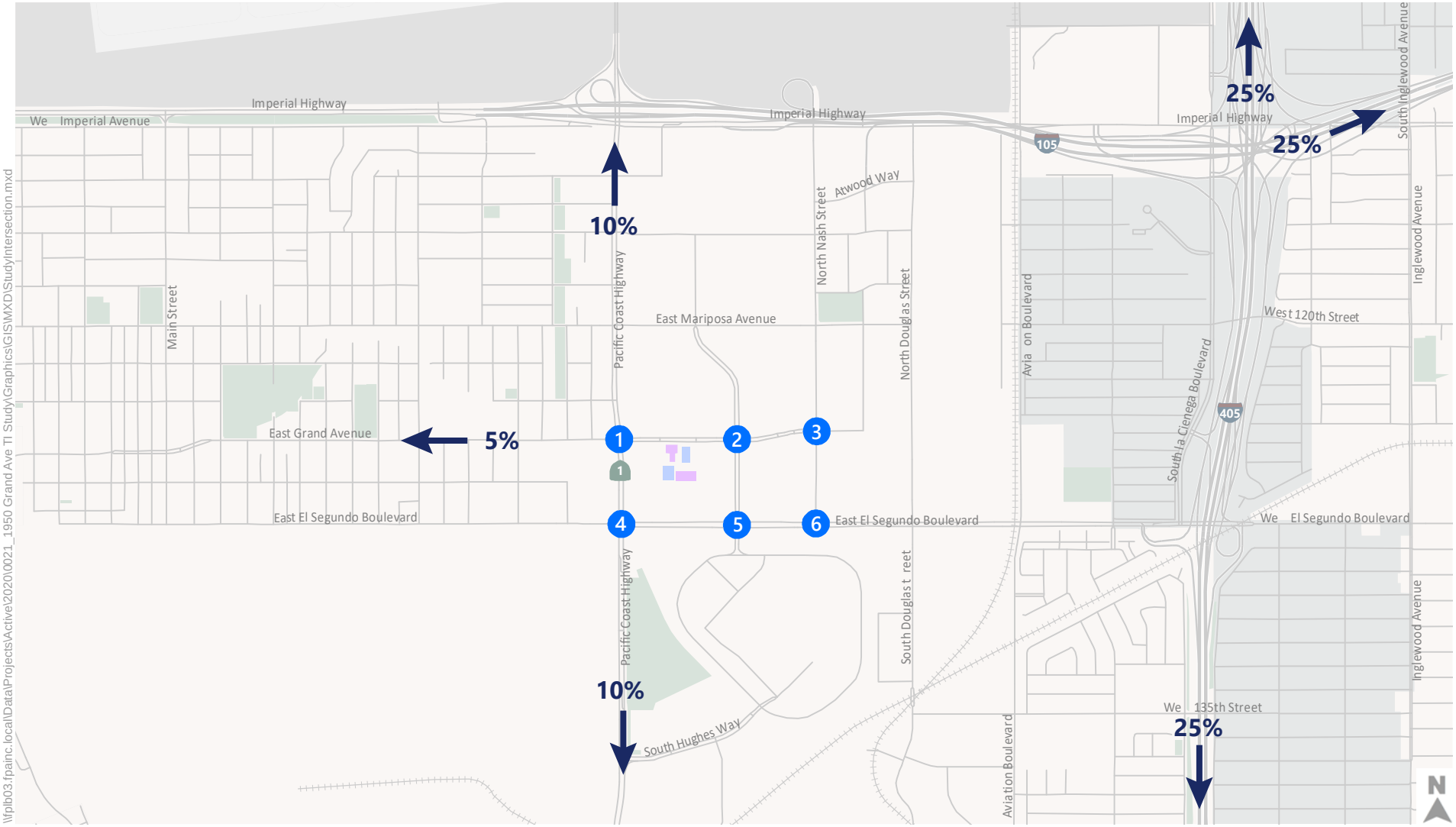


Figure 2

Initial Study Intersections

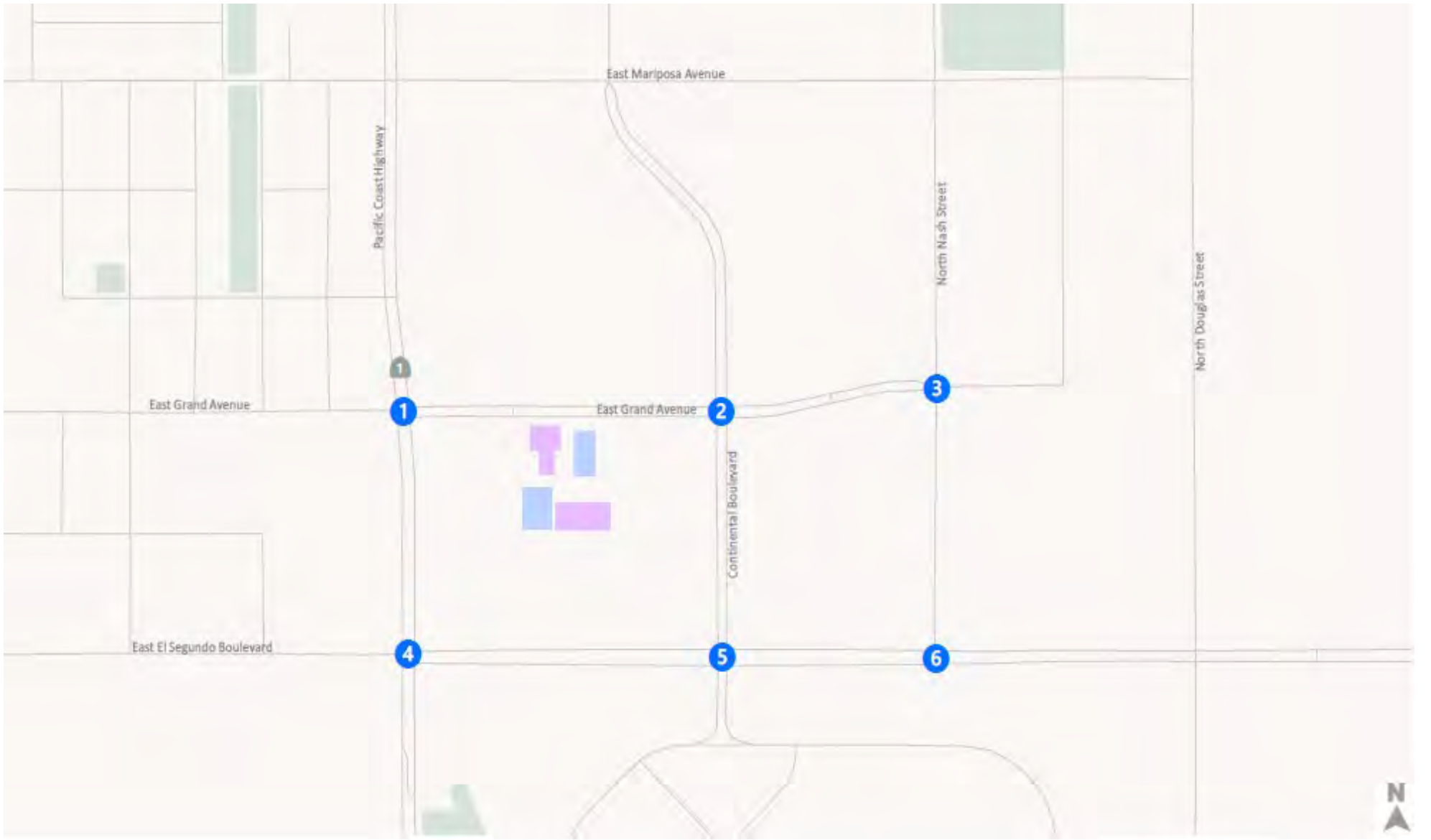


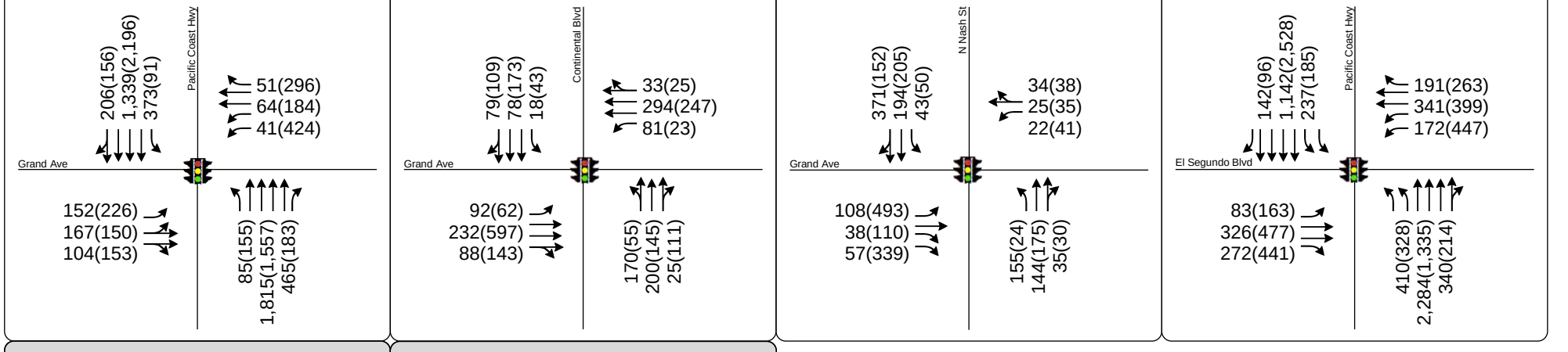
Study Intersections
Trip Distribution
Exising Building
Project Site

Figure 3

Preliminary Trip Distribution

APPENDIX B:
LANE CONFIGURATIONS AND TRAFFIC VOLUMES



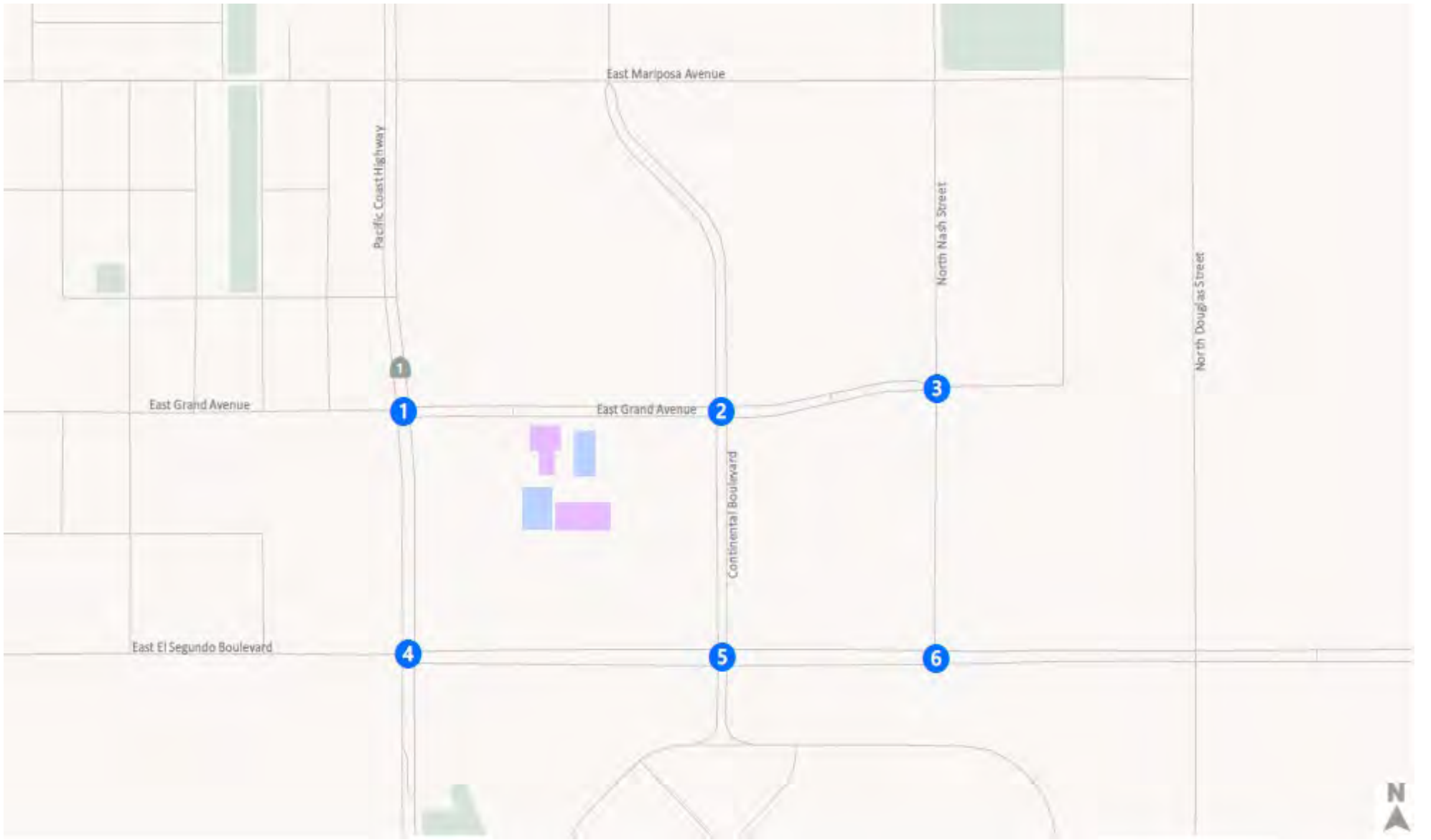


LEGEND

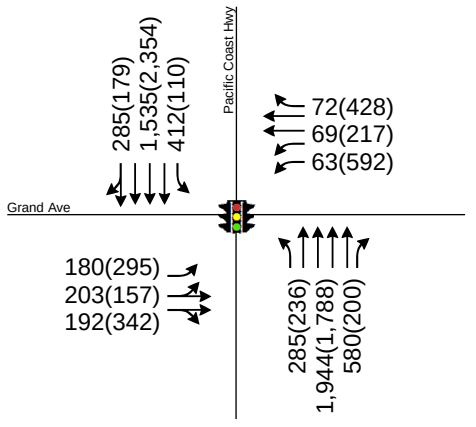
#	Study Intersection
AM (PM)	Peak Hour Traffic Volume
	Lane Configuration
STOP	Stop Sign
	Signalized

Figure A1

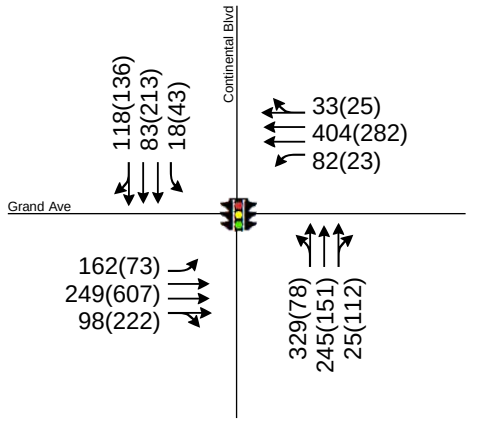
Peak Hour Traffic Volumes and Lane Configurations
Existing



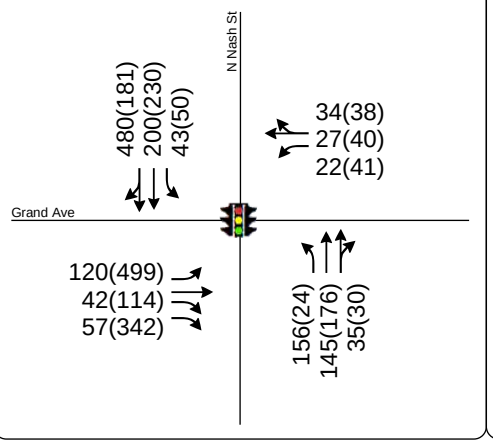
1. Pacific Coast Hwy/Grand Ave



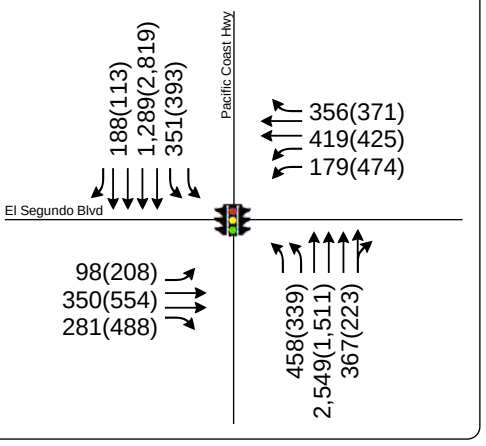
2. Continental Blvd/Grand Ave



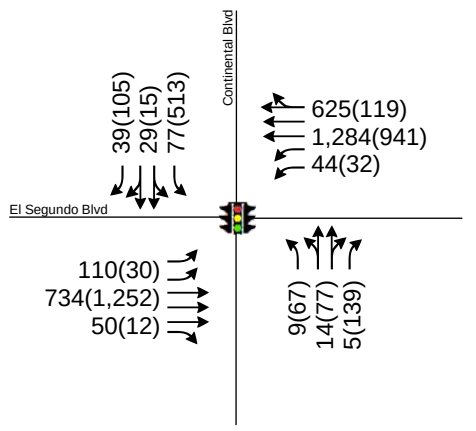
3. N Nash St/Grand Ave



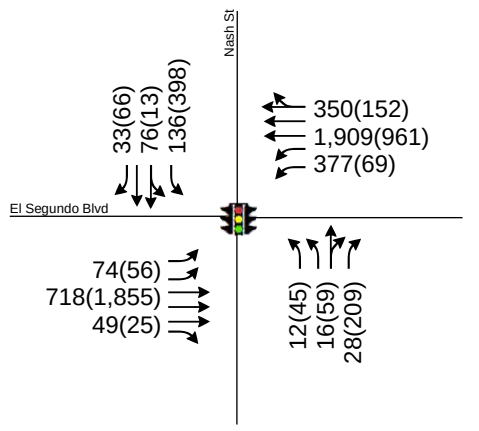
4. Pacific Coast Hwy/El Segundo Blvd



5. Continental Blvd/El Segundo Blvd



6. Nash St/El Segundo Blvd

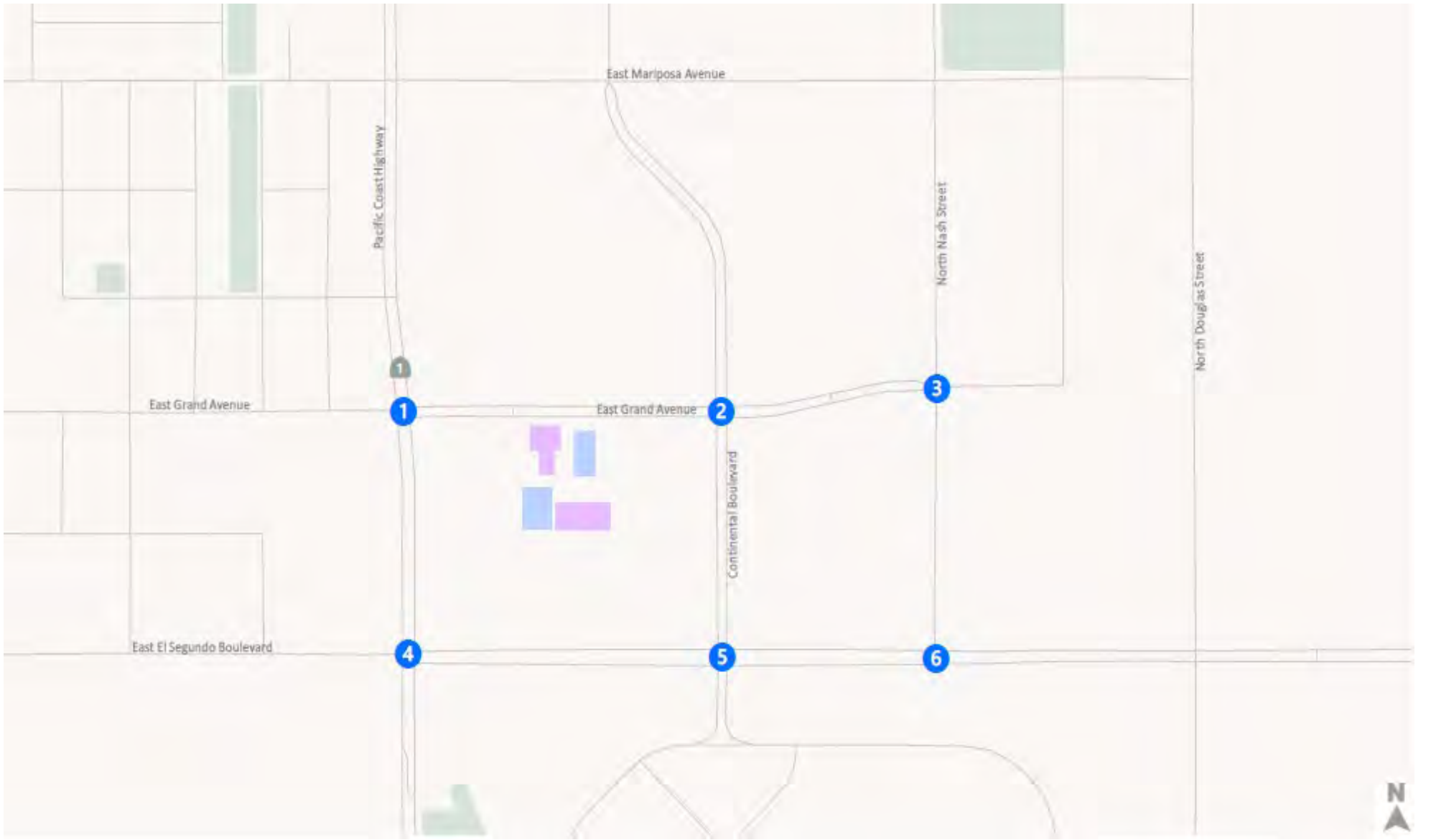


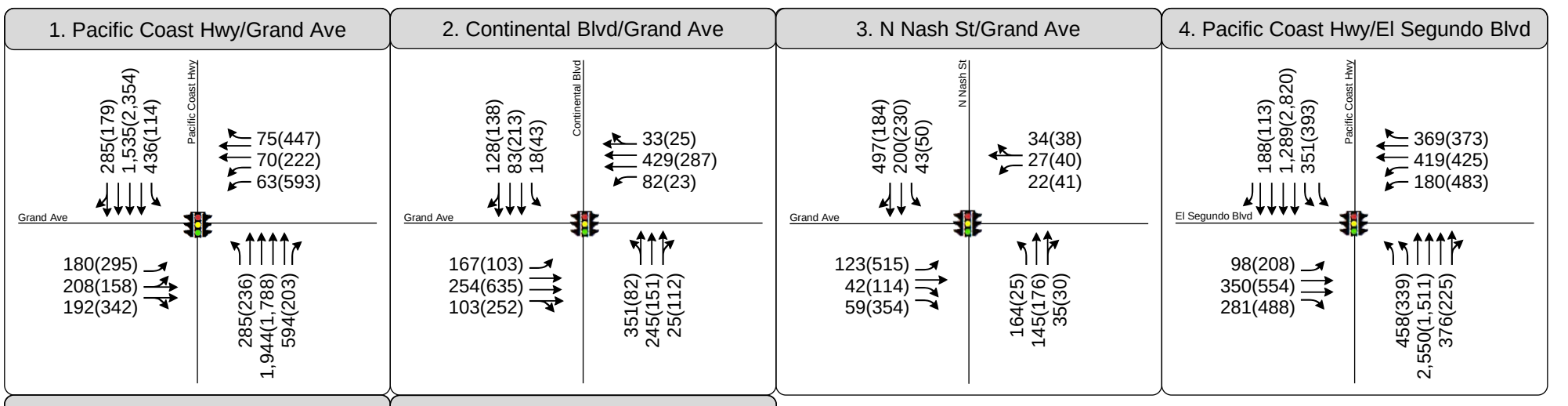
LEGEND

#	Study Intersection
AM (PM)	Peak Hour Traffic Volume
	Lane Configuration
STOP	Stop Sign
	Signalized

Figure A2

Peak Hour Traffic Volumes and Lane Configurations
Future Base



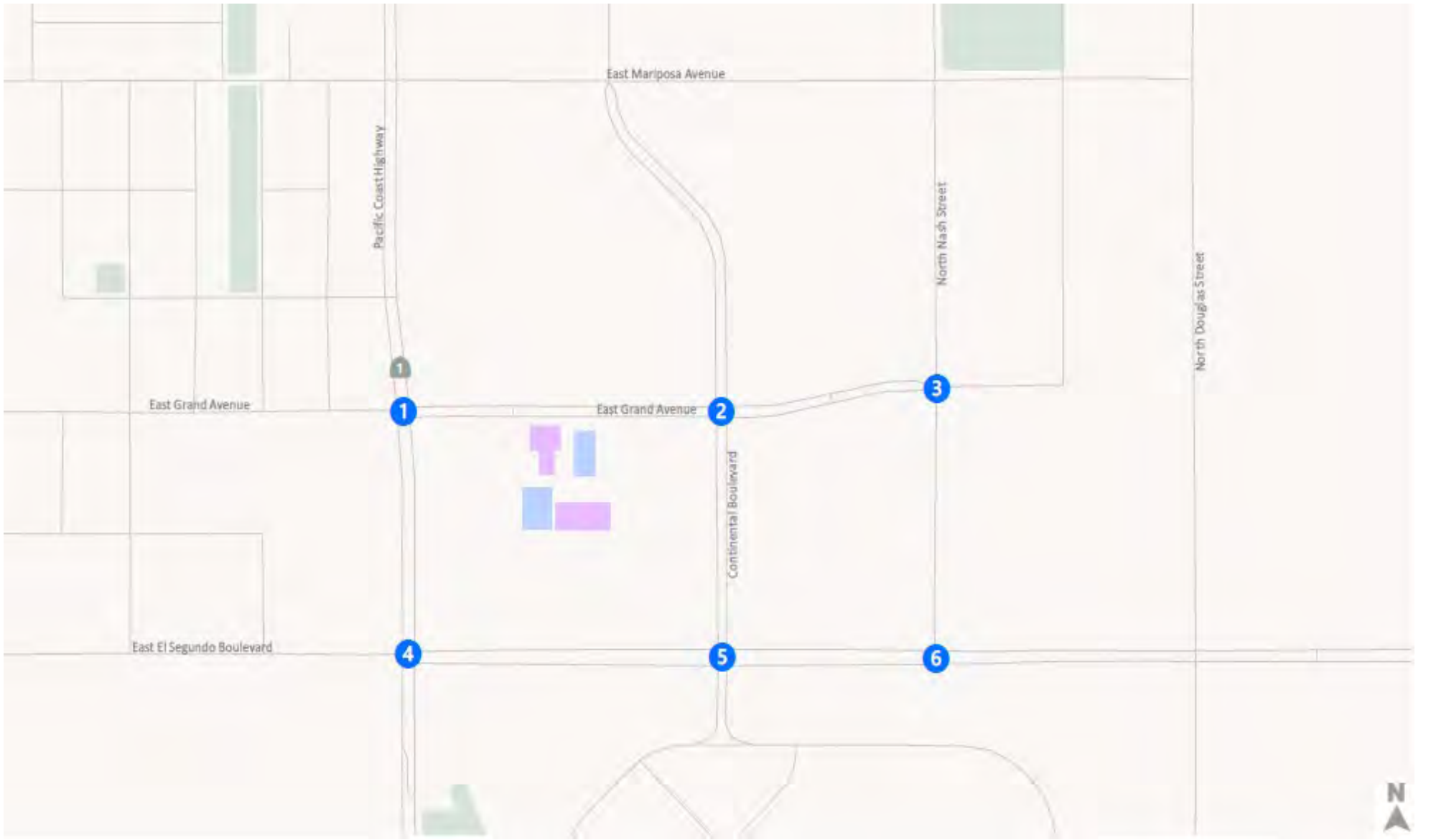


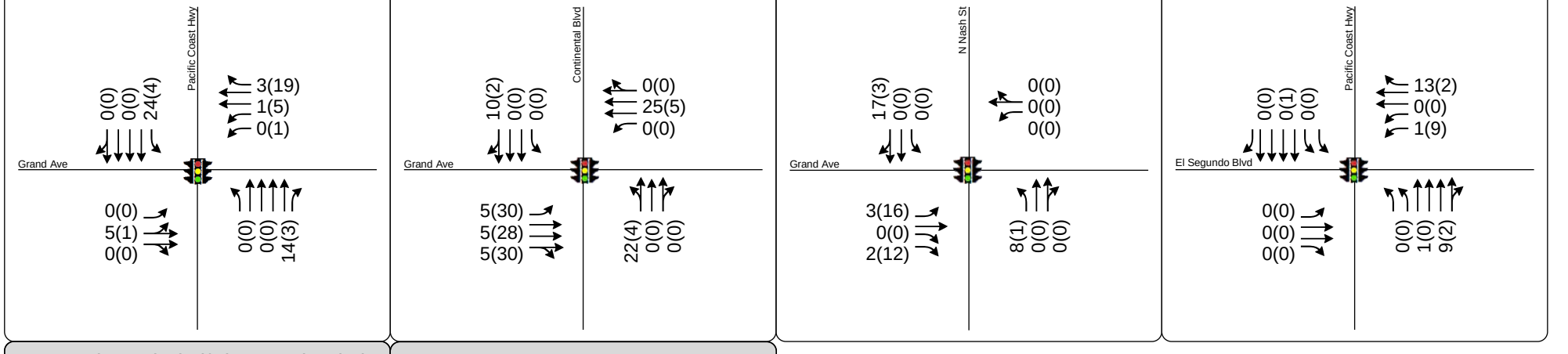
LEGEND

#	Study Intersection
AM (PM)	Peak Hour Traffic Volume
	Lane Configuration
STOP	Stop Sign
	Signalized

Figure A3

Peak Hour Traffic Volumes and Lane Configurations
Future Plus Project



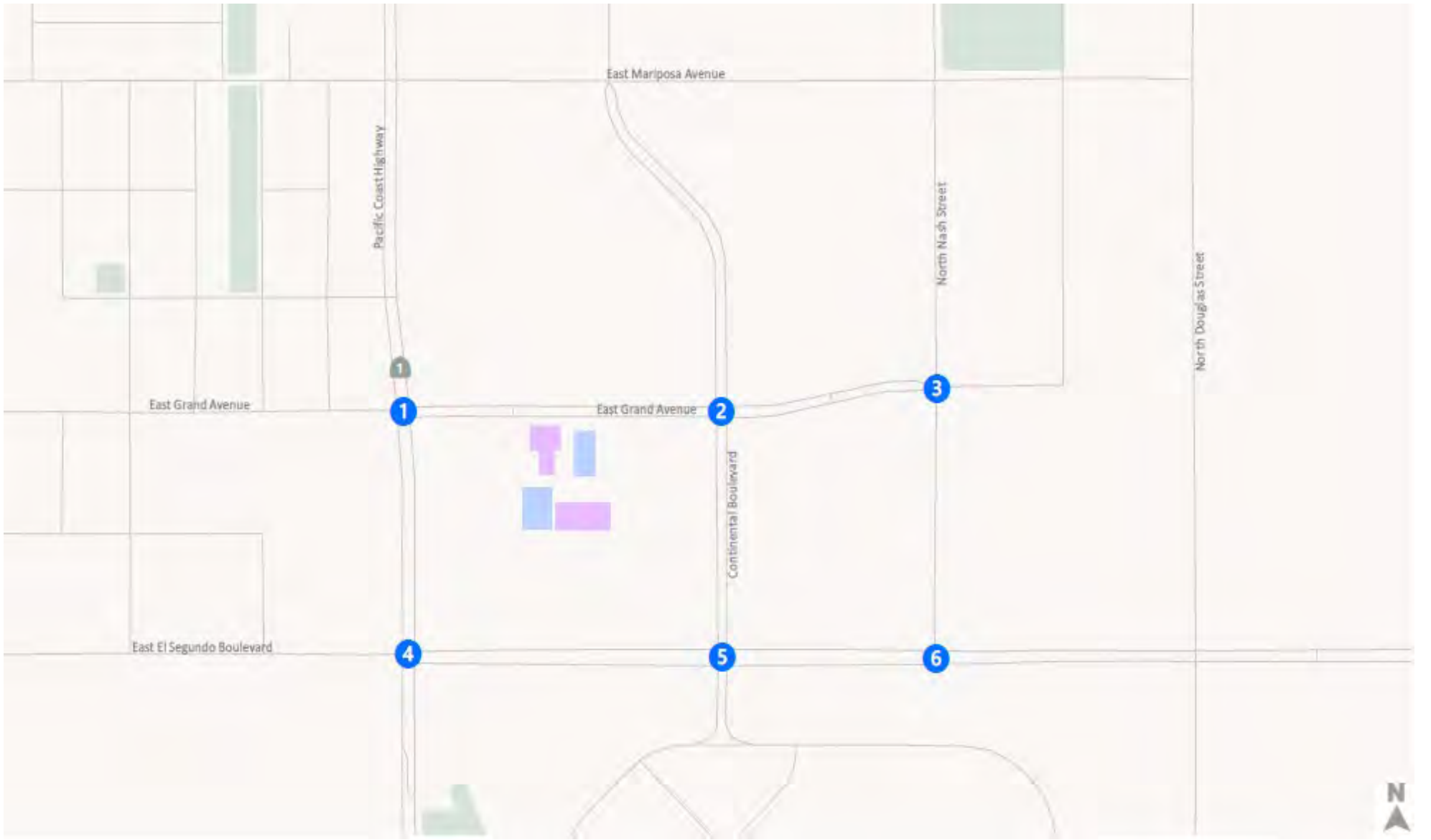


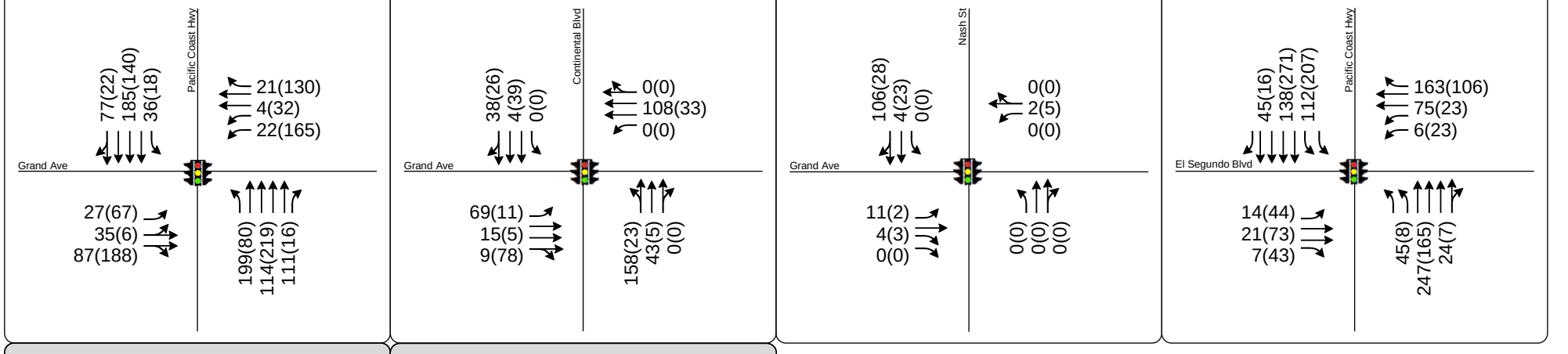
LEGEND

#	Study Intersection
AM (PM)	Peak Hour Traffic Volume
	Lane Configuration
STOP	Stop Sign
	Signalized

Figure A4

Peak Hour Traffic Volumes and Lane Configurations
Project Only





LEGEND

#	Study Intersection
AM (PM)	Peak Hour Traffic Volume
	Lane Configuration
STOP	Stop Sign
	Signalized

Figure A5

Peak Hour Traffic Volumes and Lane Configurations
Related Projects

APPENDIX C:
COUNT SHEETS

Prepared by National Data & Surveying Services

Sepulveda Blvd & Grand Ave

Peak Hour Turning Movement Count

ID: 19-05278-005
City: El Segundo

Day: Thursday
Date: 05/09/2019

PEAK HOURS

AM	07:45 AM - 08:45 AM
NOON	NONE
PM	05:00 PM - 06:00 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	04:00 PM - 07:00 PM

Sepulveda Blvd — SOUTHBOUND

AM	206	1336	348	24	2038	AM
NOON	0	0	0	0	0	NOON
PM	156	2192	54	37	2112	PM

Grand Ave — EASTBOUND

AM	NOON	PM		
345	0	464		
0	0	0	0	
152	0	226	1.5	
167	0	150	1.5	
104	0	153	0	
AM	NOON	PM		

CONTROL

Signalized

TEV	4853	0	5762
	AM	NOON	PM
PHF	0.98		0.94

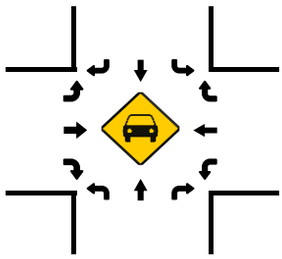
Grand Ave — WESTBOUND

PM	NOON	AM	
295	0	51	1
184	0	64	2
423	0	41	2
0	0	0	0
387	0	979	
PM	NOON	AM	

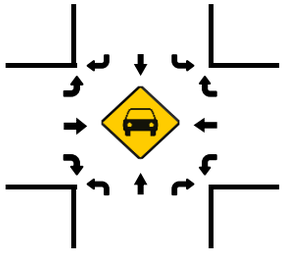
Sepulveda Blvd — NORTHBOUND

PM	2799	31	124	1554	183	PM
NOON	0	0	0	0	0	NOON
AM	1491	10	75	1811	464	AM

Total Vehicles (AM)



Total Vehicles (NOON)



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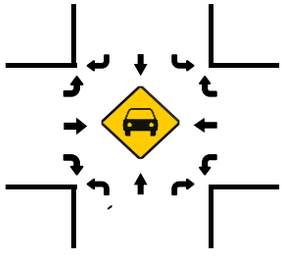
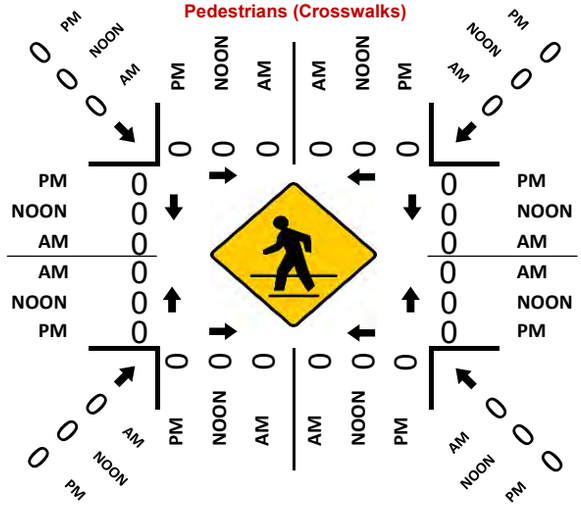
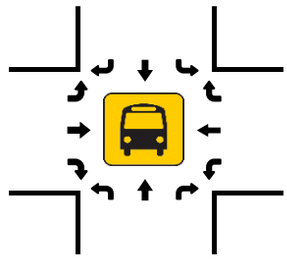


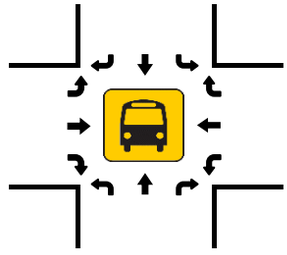
Pedestrians (Crosswalks)



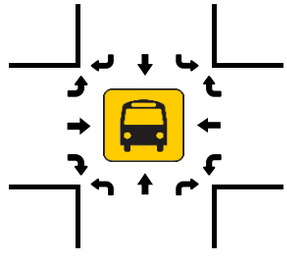
Total Vehicles (AM)



Total Vehicles (NOON)



Total Vehicles (PM)



ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

Continental Blvd and Grand Ave , El Segundo

Date: 5/3/2016

Day: Tuesday

Project #: Historical

City: El Segundo

Peak Hour Summary

Southbound Approach

Lanes	0.5	2.5	1		
AM	78	77	15	316	AM
NOON	0	0	0	0	NOON
PM	108	172	40	227	PM

Continental Blvd

Grand Ave

Eastbound Approach	AM	NOON	PM
	516	0	406
1	85	0	58
3	230	0	592
0	87	0	142
Lanes	AM	NOON	PM

Westbound Approach	AM	NOON	PM	Lanes
	33	0	25	0
	292	0	245	3
	74	0	21	1
	270	0	742	
	AM	NOON	PM	

CONTROL
Signalized

Northbound Approach				
AM	238	146	198	25	AM
NOON	0	0	0	0	NOON
PM	335	53	144	110	PM
		0.5	2.5	0	Lanes

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON	NONE	NONE
PM	4:00 PM	6:00 PM

AM Peak Hour	800 AM
NOON Peak Hour	
PM Peak Hour	500 PM

Total Ins & Outs

North Leg		
170	316	AM
0	0	NOON
320	227	PM

West Leg AM	West Leg NOON	West Leg PM	East Leg AM	East Leg NOON	East Leg PM
516	0	406	399	0	291
402	0	792	270	0	742

South Leg	
238	369	AM
0	0	NOON
335	307	PM

Total Volume Per Leg

North Leg	
486	AM
0	NOON
547	PM

West Leg AM	West Leg NOON	West Leg PM	East Leg AM	East Leg NOON	East Leg PM
918	0	1198	669	0	1033

South Leg	
607	AM
0	NOON
642	PM

ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

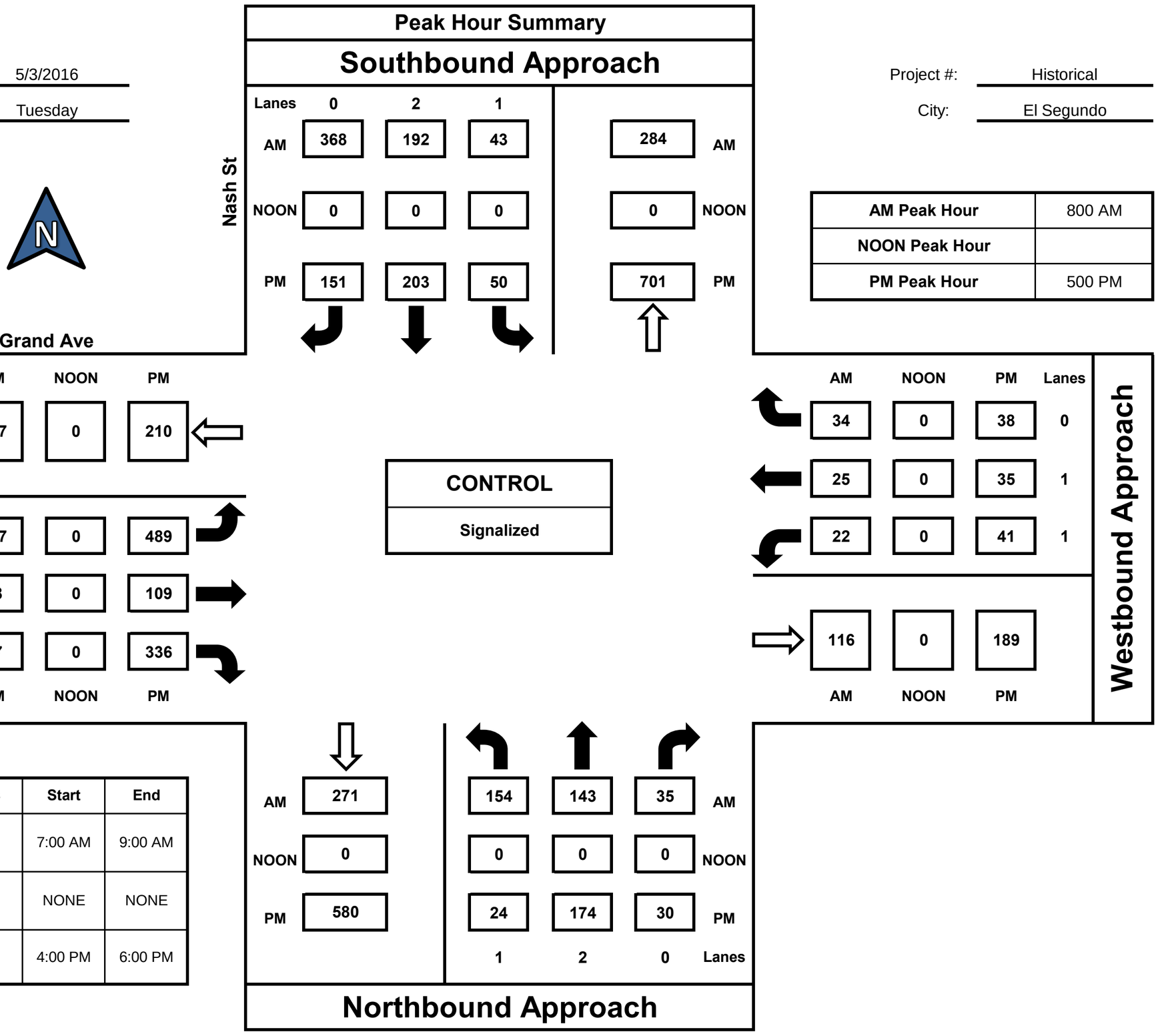
Nash St and Grand Ave , El Segundo

Date: 5/3/2016

Day: Tuesday

Project #: Historical

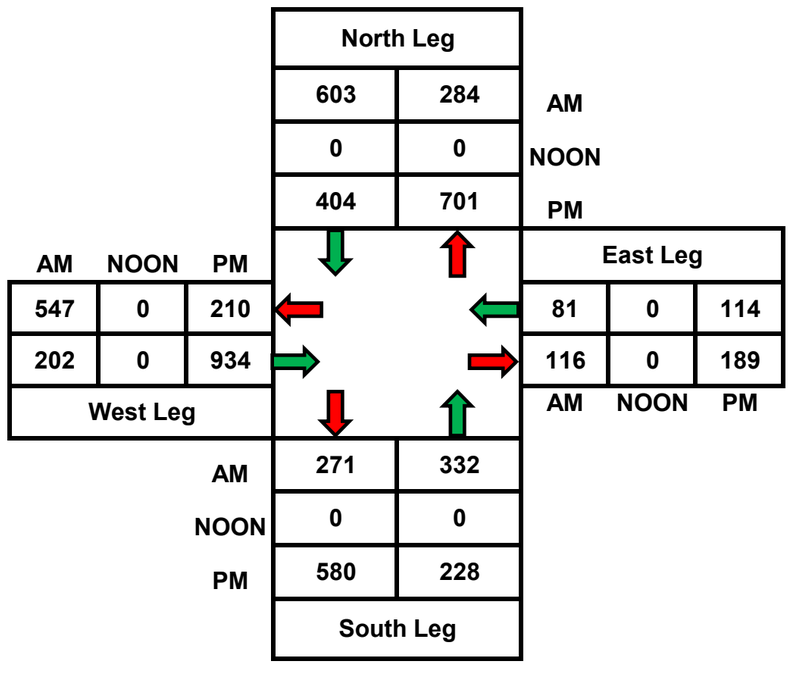
City: El Segundo



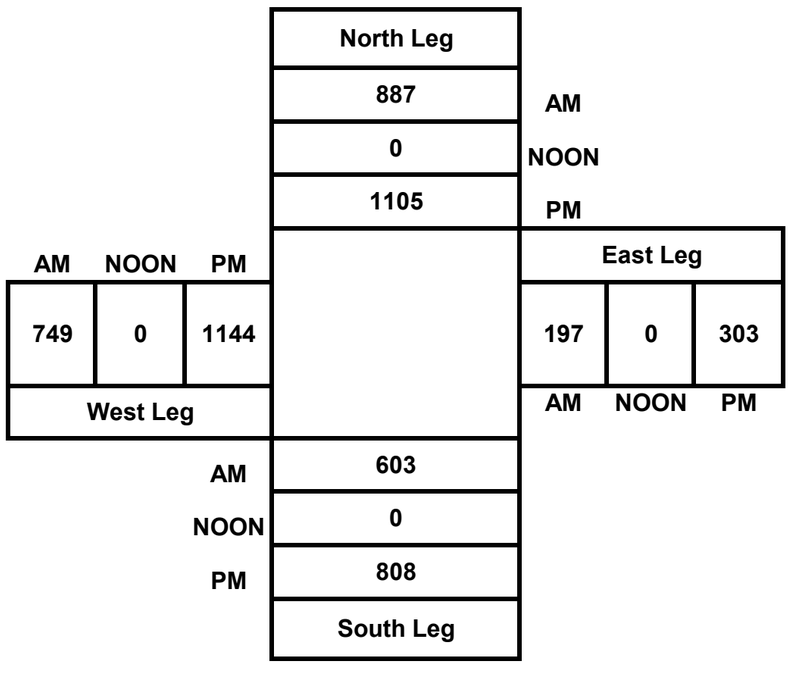
AM Peak Hour	800 AM
NOON Peak Hour	
PM Peak Hour	500 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON	NONE	NONE
PM	4:00 PM	6:00 PM

Total Ins & Outs



Total Volume Per Leg



Prepared by National Data & Surveying Services

Sepulveda Blvd & El Segundo Blvd

Peak Hour Turning Movement Count

ID: 19-05278-006
City: El Segundo

Day: Thursday
Date: 05/09/2019

PEAK HOURS

AM: 08:00 AM - 09:00 AM
NOON: NONE
PM: 05:00 PM - 06:00 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 04:00 PM - 07:00 PM

SOUTHBOUND (Sepulveda Blvd)

AM	142	1140	190	47	2600	AM
NOON	0	0	0	0	0	NOON
PM	96	2523	163	22	1779	PM
	1	4	2	0		

EASTBOUND (El Segundo Blvd)

AM	NOON	PM	
868	0	792	
0	0	0	0
83	0	163	1
325	0	476	2
271	0	440	1
AM	NOON	PM	

WESTBOUND (El Segundo Blvd)

PM	NOON	AM	
262	0	191	1
398	0	340	2
446	0	172	2
0	0	0	0
853	0	854	
PM	NOON	AM	

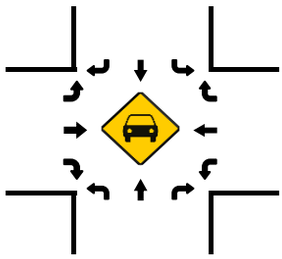
CONTROL: Signalized

TEV	5928	0	6862
	AM	NOON	PM
PHF	0.96		0.93

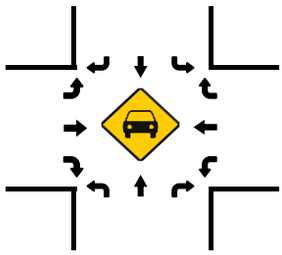
NORTHBOUND (Sepulveda Blvd)

	0	2	4	0	
PM	3438	29	298	1332	214	PM
NOON	0	0	0	0	0	NOON
AM	1606	23	386	2279	339	AM

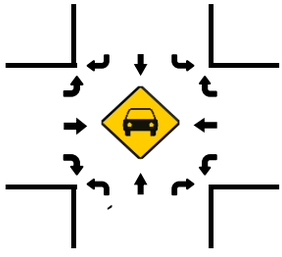
Total Vehicles (AM)



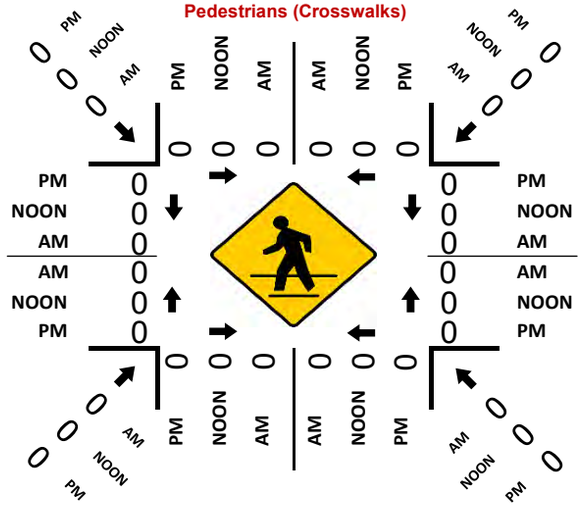
Total Vehicles (NOON)



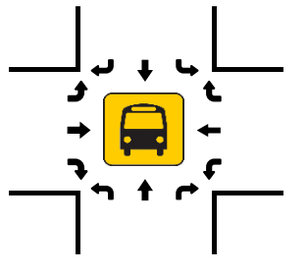
Total Vehicles (PM)



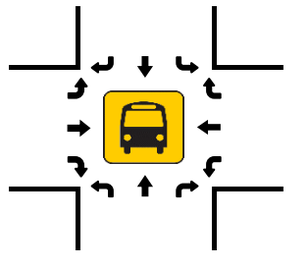
Pedestrians (Crosswalks)



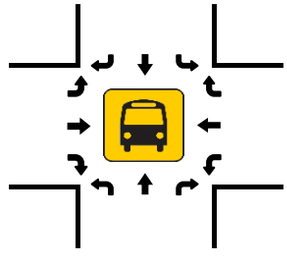
Total Vehicles (AM)



Total Vehicles (NOON)



Total Vehicles (PM)



Prepared by National Data & Surveying Services

Continental Blvd & E El Segundo Blvd

Peak Hour Turning Movement Count

ID: 19-05651-009
City: El Segundo

Day: Thursday
Date: 10/24/2019

PEAK HOURS: 08:30 AM - 09:30 AM; NONE; 04:30 PM - 05:30 PM

COUNT PERIODS: 07:00 AM - 10:00 AM; NONE; 04:00 PM - 07:00 PM

Continental Blvd — SOUTHBOUND

AM	39	29	59	4	528	AM
NOON	0	0	0	0	0	NOON
PM	104	15	392	1	184	PM
	1.5	1	1.5	0		

E El Segundo Blvd — EASTBOUND

AM	NOON	PM	
1096	0	965	
19	0	13	0
90	0	17	2
571	0	955	3
50	0	12	1
AM	NOON	PM	

E El Segundo Blvd — WESTBOUND

PM	NOON	AM	
90	0	420	0
782	0	1030	3
7	0	29	2
25	0	15	0
1510	0	650	
PM	NOON	AM	

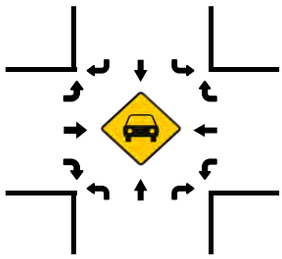
CONTROL: Signalized

TEV	2383 AM	0 NOON	2693 PM
PHF	0.94		0.97

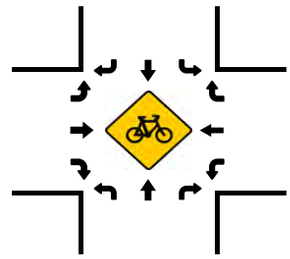
	0	1.5	1	1.5	
PM	34	0	66	76	138	PM
NOON	0	0	0	0	0	NOON
AM	109	1	8	14	5	AM

Continental Blvd — NORTHBOUND

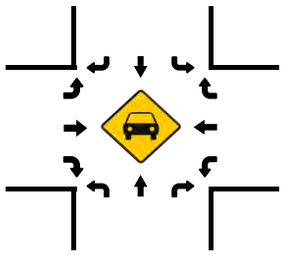
Total Vehicles (AM)



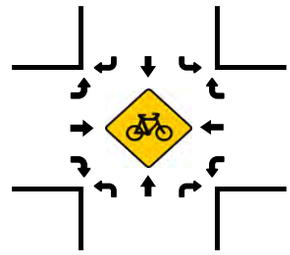
Bikes (AM)



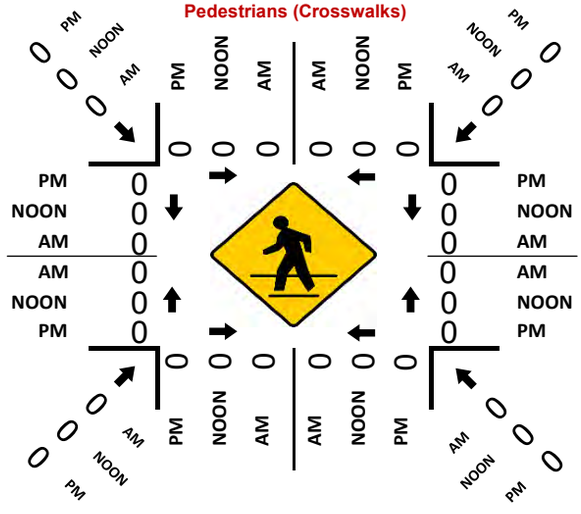
Total Vehicles (Noon)



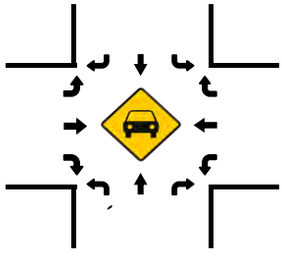
Bikes (NOON)



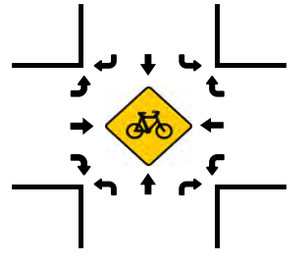
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



Prepared by National Data & Surveying Services

N Nash St & E El Segundo Blvd

Peak Hour Turning Movement Count

ID: 19-05651-010
City: El Segundo

Day: Thursday
Date: 10/24/2019

PEAK HOURS	COUNT PERIODS
08:15 AM - 09:15 AM	07:00 AM - 10:00 AM
NONE	NONE
04:30 PM - 05:30 PM	04:00 PM - 07:00 PM

N Nash St — SOUTHBOUND

AM	33	75	130	1	424	AM
NOON	0	0	0	0	0	NOON
PM	65	13	371	0	254	PM
	1	1.5	1.5	0		

E El Segundo Blvd — EASTBOUND

AM	NOON	PM	
1506	0	895	
12	0	12	0
61	0	44	2
563	0	1456	3
28	0	6	1
AM	NOON	PM	

E El Segundo Blvd — WESTBOUND

PM	NOON	AM	
151	0	346	0
801	0	1458	3
17	0	309	2
14	0	22	0
1993	0	726	
PM	NOON	AM	

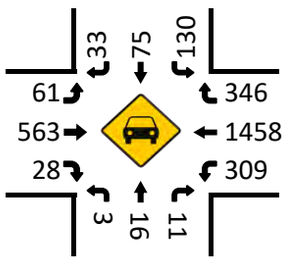
CONTROL: Signalized

	AM	NOON	PM
TEV	3068	0	3178
PHF	0.97		0.91

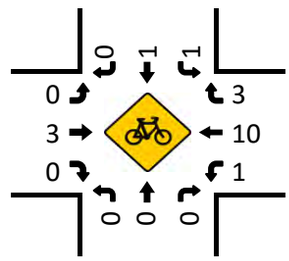
N Nash St — NORTHBOUND

	0	2	0.5	1.5		
PM	36	0	17	59	152	PM
NOON	0	0	0	0	0	NOON
AM	412	0	3	16	11	AM

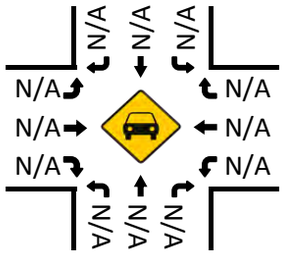
Total Vehicles (AM)



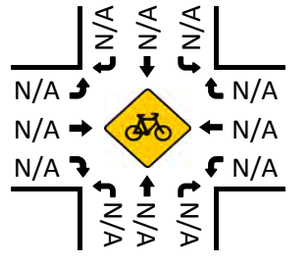
Bikes (AM)



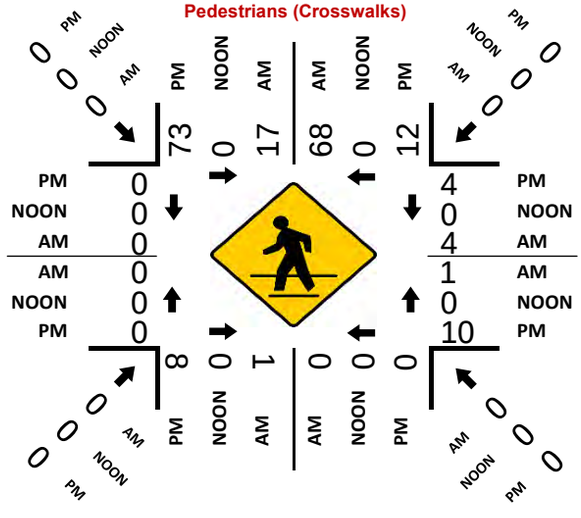
Total Vehicles (Noon)



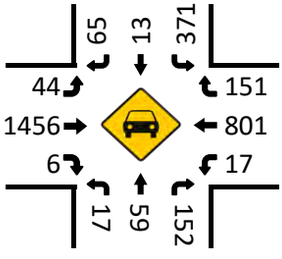
Bikes (NOON)



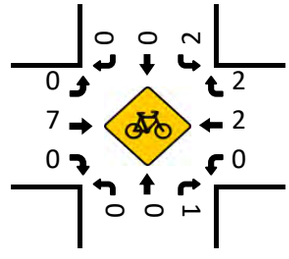
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



APPENDIX D:
DETAILED VMT ANALYSIS METHODOLOGY

Appendix C: VMT Analysis Methodology

This attachment describes the methodology used to develop VMT estimates from the Southern California Association of Governments (SCAG) regional travel demand model (hereinafter, "SCAG model").

Model Scenario

The SCAG 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) travel demand model was the most current RTP/SCS model available from SCAG at the time of issuance of Notice of Preparation (NOP) and modeling prepared for the VMT analysis presented in this study. Therefore, the 2016 RTP/SCS Year 2016 model (hereinafter, "Year 2016 SCAG model") was used to estimate the existing VMT and VMT metrics for SCAG regional average and the Project.

Model Zone System

The SCAG Model is a 4-step, trip-based convergence model covering the entire SCAG 6-county region, including Los Angeles, Ventura, Orange, San Bernardino, Riverside, and Imperial Counties. The model is structured geographically into approximately 4,100 tier 1 Transportation Analysis Zones (TAZs) and 11,267 tier 2 TAZs. Socioeconomic data, highway network, and transit network are primary inputs to the SCAG model to estimate trip generation and assign vehicle trips. The TAZs contains socioeconomic data and other information for the model and are attached to the networks using centroid connectors that allow travelers (trips) to access the transportation system by simulating local and neighborhood streets. They provide the spatial unit (or geographical area) within which travel behavior and traffic generation are estimated[1].

Socioeconomic Data

Socioeconomic data, which describes both demographic and economic characteristics of the region by TAZ, is used as major input to SCAG model. A total of 65 socio-economic variables and 8 joint distributions of two or more variables are developed, including population, households, school enrollments, household income, workers, and employment, etc[1]. For the Year 2016 SCAG model used in this study, the SCAG region has 18,859,864 population and 7,971,327 employments in total.

Trip Generation

The SCAG model generates daily person trip-ends for each TAZ across 10 trip purposes[2], which can be grouped into home-based-work, home-based-other, and non-home-based, based on population, household, and employment variables. The trip production models estimate the number of person trips generated in each TAZ, using auto availability, household income,

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[1] Southern California Association of Governments (SCAG), *SCAG Regional Travel Demand Model And 2012 Model Validation*, March 2016.

[2] The 10 trip purposes include: Home-Based Work Direct (HBWD), Home-Based Work Strategic (HBWS), Home-based school (HBSC), Home-based college and university (HBCU), Home-based shopping (HBSH), Home-based social-recreational (HBSR), Home-based serve passenger (HBSP), Home-based other (HBO), Work-based other (WBO), and Other-based other (OBO).

household size, number of workers and other variables to forecast trip production. The trip attraction models estimate the number of person trips attracted to each TAZ, which are a function of land use activity measures such as employment, residential households, and school enrollment[3].

Production and attraction trip-ends are separately calculated for each zone, and generally: production trip-ends are generated by residential land uses and attraction trip-ends are generated by non-residential land uses. Focusing on residential and employment land uses, the first step to forecasting VMT requires translating the land use into model terms, the closest approximations are:

- Residential: home-based production trips
- Employment: home-based work attraction trips

Mode Choice

The SCAG mode choice model is a nested logit model, which is the process of taking the zone-to-zone person trips by trip purpose from the trip distribution model and determining how many of those person-trips are made by the various travel modes, including non-motorized modes (walk and bike), auto modes (drive alone or carpool), and transit modes. The auto mode choice distinguishes four levels of occupancy (1,2,3 and 4 persons per vehicle) and includes a pre-route toll/no toll binary choice. Besides, the model includes a HOV/non-HOV path subnets for the shared-ride choices[3]. For the mode choice of 3+ carpool, the model uses separate vehicle occupancy rates by trip purposes in peak and off-peak periods to convert person trips to vehicle trips.

VMT Calculations

VMT is presented in numerous different forms depending on the analysis being conducted. OPR recommends that daily "Home-Based VMT" per capita is used for residential projects and daily "Home-Based Work VMT" per employee for office projects.

The following steps describe the process used to calculate VMT for residential or office projects using the SCAG model for a project, study area, citywide, or regional geography[4].

- For residential or employment VMT, only daily light-duty and medium-duty vehicle trips were included.
- Custom vehicle trip Production-Attraction (PA) matrices were calculated from peak and off-peak person trip matrices
    - PA matrices at Tier 2 TAZs were used
    - Trip purposes and modes were kept separate
    - Average vehicle occupancy rates for drive-alone and shared ride trips were used to convert person trips to vehicle trips

[3] Southern California Association of Governments (SCAG), *SCAG Regional Travel Demand Model And 2012 Model Validation*, March 2016.

[4] Fehr & Peers has developed VMT post-processing tools to calculate VMT from the SCAG model using these procedures.

- The final congested drive-alone peak and off-peak skim matrices were used to estimate trip length between zones
    - Skim matrices at Tier 2 TAZs were used
- The skim matrices were multiplied by vehicle trips to estimate VMT by peak and off-peak period
- The peak and off-peak results were summed to estimate daily VMT with mode trip purpose and mode aggregated
- Automobile VMT for individual TAZs were calculated using marginal totals:
    - Residential (home-based) - row total
    - Office (home-based work) - column total
- Daily VMT at Tier 2 TAZs were aggregated based on jurisdiction most covered geographic proportional by each TAZ
- Only internal land use TAZs were analyzed (no airport, seaport, or external gateways)
- All calculations used matrix multiplication as opposed to select zone analysis

APPENDIX E:
LOS ANALYSIS SHEETS

Project Title: 1950-1960 East Grand Avenue
Intersection: 1 - Pacific Coast Hwy & Grand Ave
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	NBR,		
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	206	0	0.000	N-S(1):	0.517 *
	TH	4.00	1,339	6,400	0.241	N-S(2):	0.294
	LT	1.00	373	1,600	0.233 *	E-W(1):	0.142 *
Westbound	RT	1.00	51	1,600	0.032 *	E-W(2):	0.000
	TH	2.00	64	3,200	0.020		
	LT	2.00	41	2,560	0.016	V/C:	0.659
Northbound	RT	1.00	465	1,600	0.275	Lost Time:	0.100
	TH	4.00	1,815	6,400	0.284 *	ITS:	0.000
	LT	1.00	85	1,600	0.053		
Eastbound	RT	0.00	104	0	0.000	ICU:	0.759
	TH	1.92	167	3,075	0.088		
	LT	1.08	152	1,380	0.110 *	LOS:	C

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	156	0	0.000	N-S(1):	0.300
	TH	4.00	2,196	6,400	0.368 *	N-S(2):	0.465 *
	LT	1.00	91	1,600	0.057	E-W(1):	0.304 *
Westbound	RT	1.00	296	1,600	0.157	E-W(2):	0.000
	TH	2.00	184	3,200	0.058		
	LT	2.00	424	2,560	0.166 *	V/C:	0.769
Northbound	RT	1.00	183	1,600	0.000	Lost Time:	0.100
	TH	4.00	1,557	6,400	0.243	ITS:	0.000
	LT	1.00	155	1,600	0.097 *		
Eastbound	RT	0.00	153	0	0.000	ICU:	0.869
	TH	1.72	150	2,749	0.110		
	LT	1.28	226	1,641	0.138 *	LOS:	D

* - Denotes critical movement

Project Title: 1950-1960 East Grand Avenue
Intersection: 2 - Continental Blvd & Grand Ave
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	79	1,600	0.049 *	N-S(1):	0.081
	TH	3.00	78	3,200	0.024	N-S(2):	0.155 *
	LT	1.00	18	1,600	0.011	E-W(1):	0.118
Westbound	RT	0.00	33	0	0.000	E-W(2):	0.126 *
	TH	3.00	294	4,800	0.068 *		
	LT	1.00	81	1,600	0.051	V/C:	0.281
Northbound	RT	0.00	25	0	0.000	Lost Time:	0.100
	TH	3.00	200	3,200	0.070	ITS:	0.000
	LT	0.00	170	1,600	0.106 *		
Eastbound	RT	0.00	88	0	0.000	ICU:	0.381
	TH	3.00	232	4,800	0.067		
	LT	1.00	92	1,600	0.058 *	LOS:	A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	109	0	0.000	N-S(1):	0.092
	TH	3.00	173	3,200	0.088 *	N-S(2):	0.122 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.168 *
Westbound	RT	0.00	25	0	0.000	E-W(2):	0.096
	TH	3.00	247	4,800	0.057		
	LT	1.00	23	1,600	0.014 *	V/C:	0.290
Northbound	RT	0.00	111	0	0.000	Lost Time:	0.100
	TH	3.00	145	4,800	0.065	ITS:	0.000
	LT	0.00	55	1,600	0.034 *		
Eastbound	RT	0.00	143	0	0.000	ICU:	0.390
	TH	3.00	597	4,800	0.154 *		
	LT	1.00	62	1,600	0.039	LOS:	A

* - Denotes critical movement

Project Title: 1950-1960 East Grand Avenue
Intersection: 3 - Nash St & Grand Ave
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	371	1,600	0.232 *	N-S(1):	0.083
	TH	2.00	194	1,600	0.121	N-S(2):	0.329 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.105 *
Westbound	RT	0.58	34	922	0.037	E-W(2):	0.000
	TH	0.42	25	678	0.037 *		
	LT	1.00	22	1,600	0.014	V/C:	0.434
Northbound	RT	0.00	35	0	0.000	Lost Time:	0.100
	TH	2.00	144	3,200	0.056	ITS:	0.000
	LT	1.00	155	1,600	0.097 *		
Eastbound	RT	2.00	57	3,200	0.018	ICU:	0.534
	TH	1.00	38	1,600	0.024		
	LT	1.00	108	1,600	0.068 *	LOS:	A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	152	0	0.000	N-S(1):	0.095
	TH	2.00	205	3,200	0.112 *	N-S(2):	0.127 *
	LT	1.00	50	1,600	0.031	E-W(1):	0.354 *
Westbound	RT	0.52	38	833	0.030	E-W(2):	0.000
	TH	0.48	35	767	0.046 *		
	LT	1.00	41	1,600	0.026	V/C:	0.481
Northbound	RT	0.00	30	0	0.000	Lost Time:	0.100
	TH	2.00	175	3,200	0.064	ITS:	0.000
	LT	1.00	24	1,600	0.015 *		
Eastbound	RT	2.00	339	3,200	0.098	ICU:	0.581
	TH	1.00	110	1,600	0.069		
	LT	1.00	493	1,600	0.308 *	LOS:	A

* - Denotes critical movement

Project Title: 1950-1960 East Grand Avenue
Intersection: 4 - Pacific Coast Hwy & El Segundo Blvd
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	142	1,600	0.089	N-S(1):	0.503 *
	TH	4.00	1,142	6,400	0.178	N-S(2):	0.338
	LT	2.00	237	2,560	0.093 *	E-W(1):	0.237 *
Westbound	RT	1.00	191	1,600	0.119	E-W(2):	0.171
	TH	2.00	341	3,200	0.107		
	LT	2.00	172	2,560	0.067 *	V/C:	0.740
Northbound	RT	0.00	340	0	0.000	Lost Time:	0.100
	TH	4.00	2,284	6,400	0.410 *	ITS:	0.000
	LT	2.00	410	2,560	0.160		
Eastbound	RT	1.00	272	1,600	0.170 *	ICU:	0.840
	TH	2.00	326	3,200	0.102		
	LT	1.00	83	1,600	0.052	LOS:	D

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	96	1,600	0.009	N-S(1):	0.314
	TH	4.00	2,528	6,400	0.395 *	N-S(2):	0.523 *
	LT	2.00	185	2,560	0.072	E-W(1):	0.387 *
Westbound	RT	1.00	263	1,600	0.128	E-W(2):	0.230
	TH	2.00	399	3,200	0.125		
	LT	2.00	447	2,560	0.175 *	V/C:	0.910
Northbound	RT	0.00	214	0	0.000	Lost Time:	0.100
	TH	4.00	1,335	6,400	0.242	ITS:	0.000
	LT	2.00	328	2,560	0.128 *		
Eastbound	RT	1.00	441	1,600	0.212 *	ICU:	1.010
	TH	2.00	477	3,200	0.149		
	LT	1.00	163	1,600	0.102	LOS:	F

* - Denotes critical movement

Project Title: 1950-1960 East Grand Avenue
Intersection: 5 - Continental Blvd & El Segundo Blvd
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.19	39	1,905	0.020	N-S(1):	0.032 *
	TH	0.89	29	1,417	0.020	N-S(2):	0.000
	LT	1.92	63	2,462	0.026 *	E-W(1):	0.136
Westbound	RT	0.00	421	0	0.000	E-W(2):	0.346 *
	TH	3.00	1,032	4,800	0.303 *		
	LT	2.00	44	2,560	0.017	V/C:	0.378
Northbound	RT	1.00	5	1,600	0.003	Lost Time:	0.100
	TH	1.83	14	2,922	0.005	ITS:	0.000
	LT	1.17	9	1,503	0.006 *		
Eastbound	RT	1.00	50	1,600	0.031	ICU:	0.478
	TH	3.00	572	4,800	0.119		
	LT	2.00	109	2,560	0.043 *	LOS:	A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.75	104	2,797	0.031	N-S(1):	0.199 *
	TH	0.25	15	403	0.037	N-S(2):	0.000
	LT	2.00	394	2,560	0.154 *	E-W(1):	0.212 *
Westbound	RT	0.00	90	0	0.000	E-W(2):	0.194
	TH	3.00	784	4,800	0.182		
	LT	2.00	32	2,560	0.013 *	V/C:	0.411
Northbound	RT	1.93	138	3,095	0.038	Lost Time:	0.100
	TH	1.07	76	1,705	0.045 *	ITS:	0.000
	LT	1.00	66	1,600	0.041		
Eastbound	RT	1.00	12	1,600	0.000	ICU:	0.511
	TH	3.00	957	4,800	0.199 *		
	LT	2.00	30	2,560	0.012	LOS:	A

* - Denotes critical movement

Project Title: 1950-1960 East Grand Avenue
Intersection: 6 - Nash St & El Segundo Blvd
Description: Existing

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: AM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	33	1,600	0.021	N-S(1):	0.064 *
	TH	1.09	75	1,748	0.043	N-S(2):	0.000
	LT	1.91	131	2,442	0.054 *	E-W(1):	0.248
Westbound	RT	0.00	347	0	0.000	E-W(2):	0.406 *
	TH	3.00	1,461	4,800	0.377 *		
	LT	2.00	332	2,560	0.130	V/C:	0.470
Northbound	RT	1.00	11	1,600	0.007	Lost Time:	0.100
	TH	1.00	16	1,600	0.010 *	ITS:	0.000
	LT	2.00	3	2,560	0.001		
Eastbound	RT	1.00	28	1,600	0.018	ICU:	0.570
	TH	3.00	564	4,800	0.118		
	LT	2.00	73	2,560	0.029 *	LOS:	A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	65	1,600	0.030	N-S(1):	0.211 *
	TH	1.00	13	1,600	0.008	N-S(2):	0.000
	LT	2.00	372	2,560	0.145 *	E-W(1):	0.316 *
Westbound	RT	0.00	151	0	0.000	E-W(2):	0.221
	TH	3.00	803	4,800	0.199		
	LT	2.00	31	2,560	0.012 *	V/C:	0.527
Northbound	RT	1.44	152	2,305	0.060	Lost Time:	0.100
	TH	0.56	59	895	0.066 *	ITS:	0.000
	LT	2.00	17	2,560	0.007		
Eastbound	RT	1.00	6	1,600	0.000	ICU:	0.627
	TH	3.00	1,459	4,800	0.304 *		
	LT	2.00	56	2,560	0.022	LOS:	B

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **1 - Pacific Coast Hwy & Grand Ave**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	NBR,		
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	285	0	0.000	N-S(1):	0.596 *
	TH	4.00	1,535	6,400	0.284	N-S(2):	0.462
	LT	1.00	412	1,600	0.258 *	E-W(1):	0.168 *
Westbound	RT	1.00	72	1,600	0.045 *	E-W(2):	0.000
	TH	2.00	69	3,200	0.022		
	LT	2.00	63	2,560	0.025	V/C:	0.764
Northbound	RT	1.00	580	1,600	0.338 *	Lost Time:	0.100
	TH	4.00	1,944	6,400	0.304	ITS:	0.000
	LT	1.00	285	1,600	0.178		
Eastbound	RT	0.00	192	0	0.000	ICU:	0.864
	TH	2.00	203	3,200	0.123 *		
	LT	1.00	180	1,600	0.113	LOS:	D

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	179	0	0.000	N-S(1):	0.348
	TH	4.00	2,354	6,400	0.396 *	N-S(2):	0.544 *
	LT	1.00	110	1,600	0.069	E-W(1):	0.447 *
Westbound	RT	1.00	428	1,600	0.233 *	E-W(2):	0.000
	TH	2.00	217	3,200	0.068		
	LT	2.00	592	2,560	0.231	V/C:	0.991
Northbound	RT	1.00	200	1,600	0.000	Lost Time:	0.100
	TH	4.00	1,788	6,400	0.279	ITS:	0.000
	LT	1.00	236	1,600	0.148 *		
Eastbound	RT	0.00	342	1,600	0.214 *	ICU:	1.091
	TH	1.69	157	1,112	0.141		
	LT	1.31	295	1,671	0.177	LOS:	F

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **2 - Continental Blvd & Grand Ave**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	118	1,600	0.074 *	N-S(1):	0.095
	TH	3.00	83	3,200	0.026	N-S(2):	0.280 *
	LT	1.00	18	1,600	0.011	E-W(1):	0.123
Westbound	RT	0.00	33	0	0.000	E-W(2):	0.192 *
	TH	3.00	404	4,800	0.091 *		
	LT	1.00	82	1,600	0.051	V/C:	0.472
Northbound	RT	0.00	25	0	0.000	Lost Time:	0.100
	TH	3.00	245	3,200	0.084	ITS:	0.000
	LT	0.00	329	1,600	0.206 *		
Eastbound	RT	0.00	98	0	0.000	ICU:	0.572
	TH	3.00	249	4,800	0.072		
	LT	1.00	162	1,600	0.101 *	LOS:	A

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	136	0	0.000	N-S(1):	0.098
	TH	3.00	213	3,200	0.109 *	N-S(2):	0.158 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.187 *
Westbound	RT	0.00	25	0	0.000	E-W(2):	0.110
	TH	3.00	282	4,800	0.064		
	LT	1.00	23	1,600	0.014 *	V/C:	0.345
Northbound	RT	0.00	112	0	0.000	Lost Time:	0.100
	TH	3.00	151	4,800	0.071	ITS:	0.000
	LT	0.00	78	1,600	0.049 *		
Eastbound	RT	0.00	222	0	0.000	ICU:	0.445
	TH	3.00	607	4,800	0.173 *		
	LT	1.00	73	1,600	0.046	LOS:	A

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **3 - Nash St & Grand Ave**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	480	1,600	0.300 *	N-S(1):	0.083
	TH	2.00	200	1,600	0.125	N-S(2):	0.398 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.113 *
Westbound	RT	0.56	34	892	0.038	E-W(2):	0.000
	TH	0.44	27	708	0.038 *		
	LT	1.00	22	1,600	0.014	V/C:	0.511
Northbound	RT	0.00	35	0	0.000	Lost Time:	0.100
	TH	2.00	145	3,200	0.056	ITS:	0.000
	LT	1.00	156	1,600	0.098 *		
Eastbound	RT	2.00	57	3,200	0.018	ICU:	0.611
	TH	1.00	42	1,600	0.026		
	LT	1.00	120	1,600	0.075 *	LOS:	B

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	181	0	0.000	N-S(1):	0.095
	TH	2.00	230	3,200	0.128 *	N-S(2):	0.143 *
	LT	1.00	50	1,600	0.031	E-W(1):	0.361 *
Westbound	RT	0.49	38	779	0.033	E-W(2):	0.000
	TH	0.51	40	821	0.049 *		
	LT	1.00	41	1,600	0.026	V/C:	0.504
Northbound	RT	0.00	30	0	0.000	Lost Time:	0.100
	TH	2.00	176	3,200	0.064	ITS:	0.000
	LT	1.00	24	1,600	0.015 *		
Eastbound	RT	2.00	342	3,200	0.099	ICU:	0.604
	TH	1.00	114	1,600	0.071		
	LT	1.00	499	1,600	0.312 *	LOS:	B

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **4 - Pacific Coast Hwy & El Segundo Blvd**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	188	1,600	0.118	N-S(1):	0.593 *
	TH	4.00	1,289	6,400	0.201	N-S(2):	0.380
	LT	2.00	351	2,560	0.137 *	E-W(1):	0.246
Westbound	RT	1.00	356	1,600	0.223 *	E-W(2):	0.284 *
	TH	2.00	419	3,200	0.131		
	LT	2.00	179	2,560	0.070	V/C:	0.877
Northbound	RT	0.00	367	0	0.000	Lost Time:	0.100
	TH	4.00	2,549	6,400	0.456 *	ITS:	0.000
	LT	2.00	458	2,560	0.179		
Eastbound	RT	1.00	281	1,600	0.176	ICU:	0.977
	TH	2.00	350	3,200	0.109		
	LT	1.00	98	1,600	0.061 *	LOS:	E

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	113	1,600	0.006	N-S(1):	0.425
	TH	4.00	2,819	6,400	0.440 *	N-S(2):	0.572 *
	LT	2.00	393	2,560	0.154	E-W(1):	0.424 *
Westbound	RT	1.00	371	1,600	0.155	E-W(2):	0.285
	TH	2.00	425	3,200	0.133		
	LT	2.00	474	2,560	0.185 *	V/C:	0.996
Northbound	RT	0.00	223	0	0.000	Lost Time:	0.100
	TH	4.00	1,511	6,400	0.271	ITS:	0.000
	LT	2.00	339	2,560	0.132 *		
Eastbound	RT	1.00	488	1,600	0.239 *	ICU:	1.096
	TH	2.00	554	3,200	0.173		
	LT	1.00	208	1,600	0.130	LOS:	F

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **5 - Continental Blvd & El Segundo Blvd**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.15	39	1,835	0.021	N-S(1):	0.036 *
	TH	0.85	29	1,365	0.021	N-S(2):	0.000
	LT	2.00	77	2,560	0.030 *	E-W(1):	0.170
Westbound	RT	0.00	625	0	0.000	E-W(2):	0.441 *
	TH	3.00	1,284	4,800	0.398 *		
	LT	2.00	44	2,560	0.017	V/C:	0.477
Northbound	RT	1.00	5	1,600	0.003	Lost Time:	0.100
	TH	1.83	14	2,922	0.005	ITS:	0.000
	LT	1.17	9	1,503	0.006 *		
Eastbound	RT	1.00	50	1,600	0.031	ICU:	0.577
	TH	3.00	734	4,800	0.153		
	LT	2.00	110	2,560	0.043 *	LOS:	A

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.75	105	2,800	0.032	N-S(1):	0.245 *
	TH	0.25	15	400	0.038	N-S(2):	0.000
	LT	2.00	513	2,560	0.200 *	E-W(1):	0.274 *
Westbound	RT	0.00	119	0	0.000	E-W(2):	0.233
	TH	3.00	941	4,800	0.221		
	LT	2.00	32	2,560	0.013 *	V/C:	0.519
Northbound	RT	1.93	139	3,089	0.039	Lost Time:	0.100
	TH	1.07	77	1,711	0.045 *	ITS:	0.000
	LT	1.00	67	1,600	0.042		
Eastbound	RT	1.00	12	1,600	0.000	ICU:	0.619
	TH	3.00	1,252	4,800	0.261 *		
	LT	2.00	30	2,560	0.012	LOS:	B

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **6 - Nash St & El Segundo Blvd**
Description: **Future Base**

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	33	1,600	0.021	N-S(1):	0.069 *
	TH	1.08	76	1,721	0.044	N-S(2):	0.000
	LT	1.92	136	2,463	0.055 *	E-W(1):	0.297
Westbound	RT	0.00	350	0	0.000	E-W(2):	0.500 *
	TH	3.00	1,909	4,800	0.471 *		
	LT	2.00	377	2,560	0.147	V/C:	0.569
Northbound	RT	1.27	28	2,036	0.014	Lost Time:	0.100
	TH	0.73	16	1,164	0.014 *	ITS:	0.000
	LT	2.00	12	2,560	0.005		
Eastbound	RT	1.00	49	1,600	0.031	ICU:	0.669
	TH	3.00	718	4,800	0.150		
	LT	2.00	74	2,560	0.029 *	LOS:	B

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	66	1,600	0.030	N-S(1):	0.239 *
	TH	1.00	13	1,600	0.008	N-S(2):	0.000
	LT	2.00	398	2,560	0.155 *	E-W(1):	0.413 *
Westbound	RT	0.00	152	0	0.000	E-W(2):	0.254
	TH	3.00	961	4,800	0.232		
	LT	2.00	69	2,560	0.027 *	V/C:	0.652
Northbound	RT	1.56	209	2,496	0.070	Lost Time:	0.100
	TH	0.44	59	704	0.084 *	ITS:	0.000
	LT	2.00	45	2,560	0.018		
Eastbound	RT	1.00	25	1,600	0.007	ICU:	0.752
	TH	3.00	1,855	4,800	0.386 *		
	LT	2.00	56	2,560	0.022	LOS:	C

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **1 - Pacific Coast Hwy & Grand Ave**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	NBR,		
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	285	0	0.000	N-S(1):	0.620 *
	TH	4.00	1,535	6,400	0.284	N-S(2):	0.462
	LT	1.00	436	1,600	0.273 *	E-W(1):	0.172 *
Westbound	RT	1.00	75	1,600	0.047 *	E-W(2):	0.000
	TH	2.00	70	3,200	0.022		
	LT	2.00	63	2,560	0.025	V/C:	0.792
Northbound	RT	1.00	594	1,600	0.347 *	Lost Time:	0.100
	TH	4.00	1,944	6,400	0.304	ITS:	0.000
	LT	1.00	285	1,600	0.178		
Eastbound	RT	0.00	192	0	0.000	ICU:	0.892
	TH	2.00	208	3,200	0.125 *		
	LT	1.00	180	1,600	0.113	LOS:	D

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	179	0	0.000	N-S(1):	0.350
	TH	4.00	2,354	6,400	0.396 *	N-S(2):	0.544 *
	LT	1.00	114	1,600	0.071	E-W(1):	0.458 *
Westbound	RT	1.00	447	1,600	0.244 *	E-W(2):	0.000
	TH	2.00	222	3,200	0.069		
	LT	2.00	593	2,560	0.232	V/C:	1.002
Northbound	RT	1.00	203	1,600	0.000	Lost Time:	0.100
	TH	4.00	1,788	6,400	0.279	ITS:	0.000
	LT	1.00	236	1,600	0.148 *		
Eastbound	RT	0.00	342	1,600	0.214 *	ICU:	1.102
	TH	1.70	158	1,116	0.142		
	LT	1.30	295	1,667	0.177	LOS:	F

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **2 - Continental Blvd & Grand Ave**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	128	1,600	0.080 *	N-S(1):	0.095
	TH	3.00	83	3,200	0.026	N-S(2):	0.299 *
	LT	1.00	18	1,600	0.011	E-W(1):	0.125
Westbound	RT	0.00	33	0	0.000	E-W(2):	0.200 *
	TH	3.00	429	4,800	0.096 *		
	LT	1.00	82	1,600	0.051	V/C:	0.499
Northbound	RT	0.00	25	0	0.000	Lost Time:	0.100
	TH	3.00	245	3,200	0.084	ITS:	0.000
	LT	0.00	351	1,600	0.219 *		
Eastbound	RT	0.00	103	0	0.000	ICU:	0.599
	TH	3.00	254	4,800	0.074		
	LT	1.00	167	1,600	0.104 *	LOS:	A

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	138	0	0.000	N-S(1):	0.099
	TH	3.00	213	3,200	0.110 *	N-S(2):	0.161 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.199 *
Westbound	RT	0.00	25	0	0.000	E-W(2):	0.129
	TH	3.00	287	4,800	0.065		
	LT	1.00	23	1,600	0.014 *	V/C:	0.360
Northbound	RT	0.00	112	0	0.000	Lost Time:	0.100
	TH	3.00	151	4,800	0.072	ITS:	0.000
	LT	0.00	82	1,600	0.051 *		
Eastbound	RT	0.00	252	0	0.000	ICU:	0.460
	TH	3.00	635	4,800	0.185 *		
	LT	1.00	103	1,600	0.064	LOS:	A

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **3 - Nash St & Grand Ave**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	Y
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	497	1,600	0.311 *	N-S(1):	0.083
	TH	2.00	200	1,600	0.125	N-S(2):	0.414 *
	LT	1.00	43	1,600	0.027	E-W(1):	0.115 *
Westbound	RT	0.56	34	892	0.038	E-W(2):	0.000
	TH	0.44	27	708	0.038 *		
	LT	1.00	22	1,600	0.014	V/C:	0.529
Northbound	RT	0.00	35	0	0.000	Lost Time:	0.100
	TH	2.00	145	3,200	0.056	ITS:	0.000
	LT	1.00	164	1,600	0.103 *		
Eastbound	RT	2.00	59	3,200	0.018	ICU:	0.629
	TH	1.00	42	1,600	0.026		
	LT	1.00	123	1,600	0.077 *	LOS:	B

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	184	0	0.000	N-S(1):	0.095
	TH	2.00	230	3,200	0.129 *	N-S(2):	0.145 *
	LT	1.00	50	1,600	0.031	E-W(1):	0.371 *
Westbound	RT	0.49	38	779	0.033	E-W(2):	0.000
	TH	0.51	40	821	0.049 *		
	LT	1.00	41	1,600	0.026	V/C:	0.516
Northbound	RT	0.00	30	0	0.000	Lost Time:	0.100
	TH	2.00	176	3,200	0.064	ITS:	0.000
	LT	1.00	25	1,600	0.016 *		
Eastbound	RT	2.00	354	3,200	0.103	ICU:	0.616
	TH	1.00	114	1,600	0.071		
	LT	1.00	515	1,600	0.322 *	LOS:	B

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **4 - Pacific Coast Hwy & El Segundo Blvd**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	N
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	188	1,600	0.118	N-S(1):	0.594 *
	TH	4.00	1,289	6,400	0.201	N-S(2):	0.380
	LT	2.00	351	2,560	0.137 *	E-W(1):	0.246
Westbound	RT	1.00	369	1,600	0.231 *	E-W(2):	0.292 *
	TH	2.00	419	3,200	0.131		
	LT	2.00	180	2,560	0.070	V/C:	0.886
Northbound	RT	0.00	376	0	0.000	Lost Time:	0.100
	TH	4.00	2,550	6,400	0.457 *	ITS:	0.000
	LT	2.00	458	2,560	0.179		
Eastbound	RT	1.00	281	1,600	0.176	ICU:	0.986
	TH	2.00	350	3,200	0.109		
	LT	1.00	98	1,600	0.061 *	LOS:	E

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	113	1,600	0.006	N-S(1):	0.425
	TH	4.00	2,820	6,400	0.441 *	N-S(2):	0.573 *
	LT	2.00	393	2,560	0.154	E-W(1):	0.428 *
Westbound	RT	1.00	373	1,600	0.156	E-W(2):	0.286
	TH	2.00	425	3,200	0.133		
	LT	2.00	483	2,560	0.189 *	V/C:	1.001
Northbound	RT	0.00	225	0	0.000	Lost Time:	0.100
	TH	4.00	1,511	6,400	0.271	ITS:	0.000
	LT	2.00	339	2,560	0.132 *		
Eastbound	RT	1.00	488	1,600	0.239 *	ICU:	1.101
	TH	2.00	554	3,200	0.173		
	LT	1.00	208	1,600	0.130	LOS:	F

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **5 - Continental Blvd & El Segundo Blvd**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.16	40	1,855	0.022	N-S(1):	0.038 *
	TH	0.84	29	1,345	0.022	N-S(2):	0.000
	LT	2.00	81	2,560	0.032 *	E-W(1):	0.170
Westbound	RT	0.00	638	0	0.000	E-W(2):	0.449 *
	TH	3.00	1,297	4,800	0.403 *		
	LT	2.00	44	2,560	0.017	V/C:	0.487
Northbound	RT	1.00	5	1,600	0.003	Lost Time:	0.100
	TH	1.83	14	2,922	0.005	ITS:	0.000
	LT	1.17	9	1,503	0.006 *		
Eastbound	RT	1.00	50	1,600	0.031	ICU:	0.587
	TH	3.00	734	4,800	0.153		
	LT	2.00	119	2,560	0.046 *	LOS:	A

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.77	114	2,828	0.034	N-S(1):	0.254 *
	TH	0.23	15	372	0.040	N-S(2):	0.000
	LT	2.00	534	2,560	0.209 *	E-W(1):	0.274 *
Westbound	RT	0.00	121	0	0.000	E-W(2):	0.235
	TH	3.00	943	4,800	0.222		
	LT	2.00	32	2,560	0.013 *	V/C:	0.528
Northbound	RT	1.93	139	3,089	0.039	Lost Time:	0.100
	TH	1.07	77	1,711	0.045 *	ITS:	0.000
	LT	1.00	67	1,600	0.042		
Eastbound	RT	1.00	12	1,600	0.000	ICU:	0.628
	TH	3.00	1,252	4,800	0.261 *		
	LT	2.00	32	2,560	0.013	LOS:	B

* - Denotes critical movement

Project Title: **1950-1960 East Grand Avenue**
Intersection: **6 - Nash St & El Segundo Blvd**
Description: **Future Plus Project**

Thru Lane:	1600 vph	N-S Split Phase :	Y
Left Lane:	1600 vph	E-W Split Phase :	N
Double Lt Penalty:	20 %	Lost Time (% of cycle) :	10
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :			
FF Movements:			

Date/Time: **AM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	33	1,600	0.021	N-S(1):	0.070 *
	TH	1.07	76	1,705	0.045	N-S(2):	0.000
	LT	1.93	138	2,476	0.056 *	E-W(1):	0.297
Westbound	RT	0.00	358	0	0.000	E-W(2):	0.507 *
	TH	3.00	1,935	4,800	0.478 *		
	LT	2.00	377	2,560	0.147	V/C:	0.577
Northbound	RT	1.27	28	2,036	0.014	Lost Time:	0.100
	TH	0.73	16	1,164	0.014 *	ITS:	0.000
	LT	2.00	12	2,560	0.005		
Eastbound	RT	1.00	49	1,600	0.031	ICU:	0.677
	TH	3.00	722	4,800	0.150		
	LT	2.00	74	2,560	0.029 *	LOS:	B

Date/Time: **PM PEAK HOUR**

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	1.00	66	1,600	0.030	N-S(1):	0.244 *
	TH	1.00	13	1,600	0.008	N-S(2):	0.000
	LT	2.00	410	2,560	0.160 *	E-W(1):	0.418 *
Westbound	RT	0.00	153	0	0.000	E-W(2):	0.255
	TH	3.00	966	4,800	0.233		
	LT	2.00	69	2,560	0.027 *	V/C:	0.662
Northbound	RT	1.56	209	2,496	0.070	Lost Time:	0.100
	TH	0.44	59	704	0.084 *	ITS:	0.000
	LT	2.00	45	2,560	0.018		
Eastbound	RT	1.00	25	1,600	0.007	ICU:	0.762
	TH	3.00	1,876	4,800	0.391 *		
	LT	2.00	56	2,560	0.022	LOS:	C

* - Denotes critical movement

Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	468	97	0	172	0	20
Future Vol, veh/h	468	97	0	172	0	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	509	105	0	187	0	22

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	-	-	-	307
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.92
Pot Cap-1 Maneuver	-	-	0	-	0	588
Stage 1	-	-	0	-	0	-
Stage 2	-	-	0	-	0	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	-	-	-	588
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	11.4
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBT
Capacity (veh/h)	588	-	-	-
HCM Lane V/C Ratio	0.037	-	-	-
HCM Control Delay (s)	11.4	-	-	-
HCM Lane LOS	B	-	-	-
HCM 95th %tile Q(veh)	0.1	-	-	-

Intersection	
Int Delay, s/veh	3.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	446	42	184	167	5	28
Future Vol, veh/h	446	42	184	167	5	28
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	485	46	200	182	5	30

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	531	0	981	266
Stage 1	-	-	-	-	508	-
Stage 2	-	-	-	-	473	-
Critical Hdwy	-	-	5.34	-	5.74	7.14
Critical Hdwy Stg 1	-	-	-	-	6.64	-
Critical Hdwy Stg 2	-	-	-	-	6.04	-
Follow-up Hdwy	-	-	3.12	-	3.82	3.92
Pot Cap-1 Maneuver	-	-	655	-	317	624
Stage 1	-	-	-	-	478	-
Stage 2	-	-	-	-	542	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	655	-	209	624
Mov Cap-2 Maneuver	-	-	-	-	209	-
Stage 1	-	-	-	-	478	-
Stage 2	-	-	-	-	358	-

Approach	EB	WB	NB
HCM Control Delay, s	0	6.9	13.1
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	480	-	-	655	-
HCM Lane V/C Ratio	0.075	-	-	0.305	-
HCM Control Delay (s)	13.1	-	-	12.9	0.3
HCM Lane LOS	B	-	-	B	A
HCM 95th %tile Q(veh)	0.2	-	-	1.3	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	818	18	0	1002	0	119
Future Vol, veh/h	818	18	0	1002	0	119
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	889	20	0	1089	0	129

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	-	-	-	455
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.92
Pot Cap-1 Maneuver	-	-	0	-	0	472
Stage 1	-	-	0	-	0	-
Stage 2	-	-	0	-	0	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	-	-	-	472
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	15.5
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBT
Capacity (veh/h)	472	-	-	-
HCM Lane V/C Ratio	0.274	-	-	-
HCM Control Delay (s)	15.5	-	-	-
HCM Lane LOS	C	-	-	-
HCM 95th %tile Q(veh)	1.1	-	-	-

Intersection	
Int Delay, s/veh	3.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	929	8	34	974	28	165
Future Vol, veh/h	929	8	34	974	28	165
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1010	9	37	1059	30	179

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1019	0	1513	510
Stage 1	-	-	-	-	1015	-
Stage 2	-	-	-	-	498	-
Critical Hdwy	-	-	5.34	-	5.74	7.14
Critical Hdwy Stg 1	-	-	-	-	6.64	-
Critical Hdwy Stg 2	-	-	-	-	6.04	-
Follow-up Hdwy	-	-	3.12	-	3.82	3.92
Pot Cap-1 Maneuver	-	-	383	-	170	435
Stage 1	-	-	-	-	237	-
Stage 2	-	-	-	-	526	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	383	-	130	435
Mov Cap-2 Maneuver	-	-	-	-	130	-
Stage 1	-	-	-	-	237	-
Stage 2	-	-	-	-	402	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.6	34.2
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	325	-	-	383	-
HCM Lane V/C Ratio	0.645	-	-	0.096	-
HCM Control Delay (s)	34.2	-	-	15.4	1.1
HCM Lane LOS	D	-	-	C	A
HCM 95th %tile Q(veh)	4.2	-	-	0.3	-

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Appendix J
Will Serve Letters

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SOUTHERN CALIFORNIA EDISON
An *EDISON INTERNATIONAL* Company

DATE: 11/16/20

COMPANY: BURO HAPPOLD (ADEESH PARANJAPE)

SUBJECT: 1950 E GRAND AVE, EL SEGUNDO

Your project is located in Southern California Edison (SCE) service territory. SCE will serve the above subject project's electrical requirements per the California Public Utilities Commission and Federal Energy Regulatory Commission tariffs.

SCE may need to conduct utility studies, where applicable, to assess whether additions or modifications to the existing electric infrastructure are required to serve this project. Where applicable, SCE has attached Appendix (B) which not only describes the study, and permitting, but includes a Project Information Sheet that will need to be completed by you and submitted to SCE if your project is at a point where SCE has to determine the required electrical utility work. This Will-Serve letter does not imply that either: (i) these studies have been completed, or (ii) that any required California Environmental Quality Act (CEQA) analysis of project-related electric utility impacts has been conducted.

I am the SCE Design Representative currently assigned to this project. SCE or Applicant will design and construct all required electrical infrastructure to serve this project provided you enter into the applicable contractual agreements with SCE identify scope of electrical utility work required, and supply the following information:

- Site plans as required
- Required contracts and agreements (fully executed)
- Applicable fees
- Local permits
- Required easement documents

Your project will be scheduled for construction once SCE has all the necessary information for your project and you have submitted or agreed to the applicable requirements as stated above, and paid any necessary fees.

If your project will not require SCE services, please notify us so that we can update our records.

SCE appreciates your business. If you have any questions, please feel free to call me at (310) 738-6760.

Sincerely,

SCE Design Representative

Enclosure: Appendix B, where applicable

701 N. Bullis Rd.
Compton, CA 90224-9099

October 20, 2020

Buro Happold Engineering
800 Wilshire Blvd, 16th Floor
Los Angeles, CA 90017
Attn: Sidney Pilarski

Subject: Will Serve - 1950 E. Grand Ave, El Segundo, CA

Thank you for inquiring about the availability of natural gas service for your project. We are pleased to inform you that Southern California Gas Company (SoCalGas) has facilities in the area where the above named project is being proposed. The service would be in accordance with SoCalGas' policies and extension rules on file with the California Public Utilities Commission (CPUC) at the time contractual arrangements are made.

This letter should not be considered a contractual commitment to serve the proposed project, and is only provided for informational purposes only. The availability of natural gas service is based upon natural gas supply conditions and is subject to changes in law or regulation. As a public utility, SoCalGas is under the jurisdiction of the Commission and certain federal regulatory agencies, and gas service will be provided in accordance with the rules and regulations in effect at the time service is provided. Natural gas service is also subject to environmental regulations, which could affect the construction of a main or service line extension (for example, if hazardous wastes were encountered in the process of installing the line). Applicable regulations will be determined once a contract with SoCalGas is executed.

If you need assistance choosing the appropriate gas equipment for your project, or would like to discuss the most effective applications of energy efficiency techniques, please contact our area Service Center at 800-427-2200.

Thank you again for choosing clean, reliable, and safe natural gas, your best energy value.

Sincerely,

Jason Sum

Jason Sum
Pipeline Planning Assistant
SoCalGas-Compton HQ

Michael Baker
INTERNATIONAL

Appendix K
Cumulative Projects List

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CITY OF EL SEGUNDO CUMULATIVE PROJECTS LIST
(MAJOR PROPOSED OR APPROVED BUT NOT COMPLETED PROJECTS)

September 2021

No.	EA #	Address	Existing Gross sq. ft.	Existing Use	Approved/ Proposed Gross sq. ft.	Approved/ Proposed Use	Approval & Expiration
1	784	445 N. Douglas St	223,000 (106,000 Office; 117,000 Warehouse)	Industrial	314,288 sf	Data Center	Entitlements Approved Phase 1: **158,624 sf complete.** Phase 2: 155,664 s.f. (including 104,364 TI & 51,300 s.f. addition) **Completion date unknown; no sooner than 2022**
2	905 & 1200	2100 E El Segundo Bl	2,089,090 s.f.	Light Industrial/Office (Raytheon)	2,089,090 s.f. existing 2,142,457 s.f. proposed Total 4,231,547 s.f	Office, Retail, Warehouse, Light Industrial	Entitlements Approved Phase 1: 15,600 s.f of retail/full service restaurants, 7,050 s.f. fast food restaurant, and 43,000 s.f of medical office Phase 1 above (**65,650 s.f**.) is i**n construction and anticipated occupancy by April 2022** **Full build-out projected by 2025**
3	986	455 Continental Blvd and 1955 E Grand Av	55,000 s.f. existing	Office (Mattel)	Add 300,000 s.f. R&D & office 810-space parking structure New total: 355,000 s.f.	R&D and office and Parking structure	Entitlements pending **Build-out projected by 2024**
4	1098	2125 Campus Dr	0	vacant	A 500-space parking structure, 49,111 square-foot office building and 104,415 square foot office building Total of 153,525 square feet of office	Two new 5-story office buildings and a new 5-level garage structure	Core and shell construction completed 40% of space occupied **Full occupancy anticipated by fall 2022**
5	1201	2021 E Rosecrans Av	0	vacant	240,000 s.f. office, 66,000 studio and production facilities, & 7,000 s.f. retail 313,000 s.f. total	Office, studios and production facilities, and retail	Entitlements approved Construction start in July-December 2022 **Completion date December 2024-June 2025**
6	1135	400 S PCH	2,500 sf	Pro Shop and Driving Range	71,000	3-story hitting-bay and accessory-use structure (restaurant, bar, meeting and event space)	City Council approved 10/15/2019 In construction **Completion by September 2022**
7	1233	140 Oregon Street	78,000 SF	Office Addition	70,000 SF	2-story office addition	Entitlements approved In construction

No.	EA #	Address	Existing Gross sq. ft.	Existing Use	Approved/ Proposed Gross sq. ft.	Approved/ Proposed Use	Approval & Expiration
						with 2 mezzanine floors.	**Completion by July 2022.**
8	1242	1521 E. Grand Ave.; 233, 247, 330 & 348 Kansas Street	North – 94,130 SF South – 30,191 SF	Office	North – 3 bldgs. 162,800 SF South – 91,951 SF bldg. and 130,327 SF prkg str.,	3-story office expansion, 3 new office bldgs., and one 6-story parking garage with 1,217 SF cafe	Entitlements for Site Plan Review and Community Benefits pending. Planning Commission and City Council review expected in early 2022. In Plan check (at-risk) **Completion in 2024**
9	1248	401-615 N PCH	0	Parking lot	263 residential units, 11,000 square feet of retail/restaurant,	Apartments Retail and restaurant	Entitlements pending in fall 2021 **Completion by end of 2025.**
10	1254	212 Eucalyptus Dr.	5,350 s.f.	warehouse	14,119 s.f	Office	Permits issued **Completion by December 2021**
11	1255	2221 E Park Place	56,600 sf	Office	27,478 sf office addition	Office	In construction; on hold **Completion unknown but no sooner than early 2022.**
12	1264	1225 E Mariposa Avenue	5 du	Dwelling units in R-2 lot	15 dwelling units	Residential condominiums	Entitlements Pending for: Zone Change to R-3, General Plan Amendment to Multi-family, and Subdivision for condos. **Completion by late 2023**
13	1289	650-700 N PCH	207,056 sf	Office	122,156 sf 7-story office building with a 1,185-space parking structure; and remodel existing buildings	Office	Entitlements approved **Completion by mid-2023**
13	1281	1475 E Grand Ave	19,311 sf	Office	48,425 sf	Office	Entitlement Pending **Completion by late 2023**
14	1282	1330 E Franklin	19,950 sf	Office/ Industrial	47,250 sf	Office	Entitlements Pending **Completion by late 2023**
15	1291	1950-1960 E Grand Ave	0	Parking lot	98,346 sf 258-space parking structure	Office	Entitlements Pending **Completion by early 2024**
16	1292	141 Eucalyptus Dr	1,557	Office/storage	7,000 sf 4	Office	Entitlements Pending **Completion by January 2024**
17	1299	201-209 Richmond St	0	Parking lot	14,000 sf 4	Commercial Residential apartment units	Entitlements approved Construction start by late 2022 **Completion by early 2024**
18							
19							

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Appendix L
Draft Mitigation Monitoring Program

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DRAFT MITIGATION MONITORING PROGRAM

Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
CULTURAL RESOURCES		
Mitigation Measure CUL-1: Archaeological and Native American monitoring shall be conducted for any grading-related ground-disturbing activity with the potential to disturb native soils (i.e., non-engineered fill) within the Project site. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983). If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the qualified archaeologist. Depending upon the nature of the find, if the discovery proves to be potentially significant under CEQA, as determined by the qualified archaeologist, additional work such as data recovery excavation, avoidance of the area of the find, documentation, testing, data recovery, reburial, archival review and/or transfer to the appropriate museum or educational institution, or other appropriate actions may be warranted at the discretion of the qualified archaeologist. The archaeologist shall complete a report of excavations and findings and submit the report to the Director of Development Services. After the find is appropriately mitigated, work in the area may resume.	Applicant shall submit a copy of the executed agreement with the contracted qualified archaeologist to the City prior to any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier.	El Segundo Development Services Department
GEOLOGY AND SOILS		
Mitigation Measure Paleo-1: The applicant shall retain a qualified paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology (SVP) to develop a Worker Environmental Awareness Program (WEAP), which shall be in compliance with SVP guidelines. The paleontologist shall present the training to all construction staff to provide them with a basic understanding of the types of fossils that may be encountered and the laws protecting them, and the procedures to follow in the event the finds are encountered. In the event that paleontological resources are encountered during earth disturbance activities, all construction activities in the area of the find shall be temporarily halted and the paleontologist shall be notified to evaluate the find and determine the appropriate treatment in accordance with SVP guidelines for identification, evaluation, disclosure, avoidance, or recovery, and curation, as appropriate.	Applicant shall submit a copy of the executed agreement with the contracted qualified paleontologist to the City prior to any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier. WEAP training shall be administered prior to the start of earthwork activities and shall be administered to any new construction workers involved in excavation efforts associated with the Project.	El Segundo Development Services Department

Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
TRANSPORTATION		
Mitigation Measure TRANS-1: The applicant shall prepare and implement a Project-specific TDM program. The TDM program shall consist of a list of approved strategies, guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations. The following strategies would be applicable to both existing and proposed uses unless specified otherwise: ▪ Workplace Parking Pricing—Separates parking from property costs, requiring office tenants who wish to lease parking spaces to do so at an additional cost from the office lease cost. Parking is priced separately from office leases and must include a mechanism for ensuring that the parking costs are passed through to the employees utilizing the parking spaces. This strategy would only be applicable to the newly proposed uses. ▪ Transit Subsidies—Providing employees with free transit passes. ▪ Promotions & Marketing—Involves the use of marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. Marketing and public information campaign to promote awareness of TDM program with an on-site coordinator to monitor the program. ▪ Emergency Ride Home—Providing a taxi or transportation network company (TNC) voucher for employees to travel home in an emergency. ▪ Bike Share—Implementing bike share to allow people to have on-demand access to a bicycle. ▪ Bicycle Amenities—Bicycle showers, repair stations, and secure bicycle parking. ▪ Pedestrian Network Improvements—Implementing pedestrian network improvements throughout and around the Project site that encourage people to walk to nearby destinations and transit stops ▪ Carpool/Vanpool Incentives—Providing monetary assistance with fares, gas costs, or parking costs for carpool or vanpool users. ▪ Ridematch Program—Assisting potential carpoolers in finding other individuals with similar travel routes in either closed or open systems. ▪ Carshare Program—Providing carshare programs to employees.	Applicant to provide a TDM Program to the City for review, with approval completed prior to Building Permit Final or issuance of the first certificate of occupancy. The success of the program will be monitored and the tenant commute patterns will be reviewed, with updates of adjustments and changes to be provided in an annual monitoring report, or the TDM shall include a mechanism to report to the City on the progress.	El Segundo Development Services Department

Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
TRIBAL CULTURAL RESOURCES		
Mitigation Measure TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities A. The Project applicant shall retain a Native American Monitor from a tribe that demonstrates ancestral affiliation with the project area. For purposed of this mitigation measure, the Gabrieleño Band of Mission Indians – Kizh Nation has demonstrated such ancestral affiliation. The Monitor shall be retained prior to the commencement of any ground-disturbing activity for the subject Project at all Project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). Ground-disturbing activity shall include, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. B. A copy of the executed monitoring agreement shall be submitted to the lead agency either prior to the commencement of any ground-disturbing activity for the Project, or the issuance of any permit necessary to commence a ground-disturbing activity, whichever is earlier. C. The Monitor may attend the Worker Environmental Awareness Program (WEAP) training required by CUL-1 to provide sensitivity/educational training. The developer will provide the Monitor with a minimum of five working days' notice of when the WEAP training is to take place. D. The Monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the tribe. Monitor logs will identify and describe any discovered Tribal Cultural Resources ("TCRs") as defined in Public Resource Code Section 21074(A). Copies of monitor logs will be provided to the Project Applicant/Lead Agency upon written request to the Monitor. E. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Monitor from a designated point of contact for the Project Applicant that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Monitor to the Project Applicant/Lead Agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact TCRs.	Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits	El Segundo Development Services Department

Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
Mitigation Measure TCR-2: Discovery of Tribal Cultural Resources Other than Human Remains and/or Grave Goods Upon the discovery of a TCR other than human remains and grave goods, Mitigation Measure CUL-2 shall be employed to ensure that any potential impacts remain less than significant.	Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits	El Segundo Development Services Department
Mitigation Measure TCR-3: Unanticipated Discovery of Human Remains and Associated Grave Goods A. Human remains and grave/burial goods shall be treated alike per California Public Resources Code Section 5097.98(d)(1) and (2). If Native American human remains and/or grave goods discovered or recognized on the Project site, then all construction activities shall immediately cease in the area. Native American human remains are defined in Public Resources Code 5097.98 (d)(1) as "an inhumation or cremation, and in any state of decomposition or skeletal completeness." Associated grave goods must also be treated in accordance with Public Resources Code Section 5097.98. B. Health and Safety Code Section 7050.5 dictates that any discoveries of human skeletal material shall be immediately reported to the County Coroner and all ground-disturbing activities on the site or any nearby, adjacent area reasonably suspected to overlie the presence of human remains and/or associated grave goods shall be halted until the coroner has determined the nature of the remains. If the coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, within 24 hours, the Native American Heritage Commission (NAHC), and the protocols in Public Resources Code Section 5097.98 shall be followed. C. The NAHC will identify the most likely descendent (MLD). The MLD has 48 hours to make recommendations to the owner, or representative, for the treatment or disposition, with proper dignity, of the human remains and grave goods. If the MLD does not make recommendations within 48 hours, the owner shall reinter the remains in an area of the property secure from further disturbance. D. If the landowner does not accept the MLD recommendations, the owner or the descendent may request mediation by the NAHC. If mediation fails, the landowner shall reinter the human remains with appropriate dignity on the property in a location not subject to future subsurface disturbance.	Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits	El Segundo Development Services Department

Mitigation Measure	Timeframe of Mitigation	Monitoring, Enforcement, and Reporting Responsibility
E. If no MLD is identified, no recommendations are made, or the recommendation is rejected after mediation, the developer shall reinter the remains with appropriate dignity on the property in a location not subject to further, or anticipated future, subsurface disturbances. (Pub. Res. Code Section 5097.98[e]; CEQA Guidelines Section 15064.5(e).) F. Construction activities may resume in other parts of the Project site at a minimum of 100 feet away from discovered human remains and/or grave goods, unless the archaeologist and tribal monitor determines that resuming construction activities would likely disturb other human skeletal material, human remains, or grave goods. The tribal monitor and archaeologist shall provide the project manager express notice if the construction activities must be halted at a distance other than 100 feet, along with any other measures the archaeologist deems necessary. (14 Cal. Code Regs. Section 15064.5[f].) G. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or grave goods. H. Any discovery of human remains/grave goods shall be kept confidential to prevent further disturbance.		

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